



The *All You Need To Know* Quiz

Everything you need to know for Level 2 Functional Skills Maths

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Level 2 Functional Skills Maths

What do you know? Do you know stuff? Let's find out!

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Round 1: Number

How to list numbers in size order



1. Which of the following lists of numbers are written correctly from smallest to largest?

How to list numbers in size order



1. Which of the following lists of numbers are written correctly from smallest to largest?

A
-3, -10, -17, -25

How to list numbers in size order



1. Which of the following lists of numbers are written correctly from smallest to largest?

A

-3, -10, -17, -25

B

-30, -25, -17, -10

How to list numbers in size order



1. Which of the following lists of numbers are written correctly from smallest to largest?

A

-3, -10, -17, -25

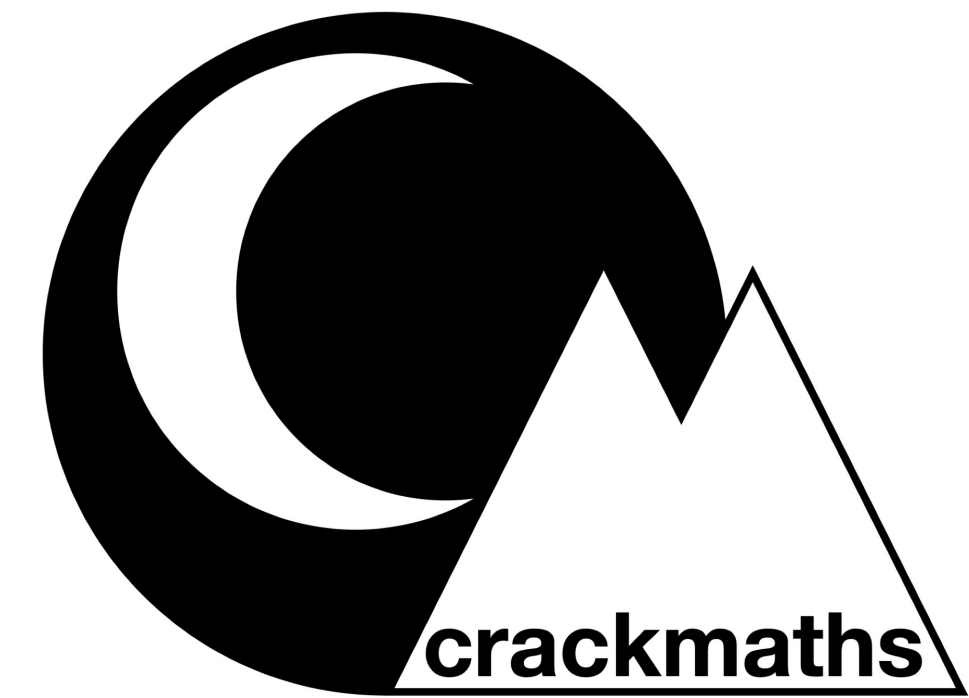
B

-30, -25, -17, -10

C

-30, -10, 17, 15

How to list numbers in size order



1. Which of the following lists of numbers are written correctly from smallest to largest?

A

-3, -10, -17, -25

B

-30, -25, -17, -10

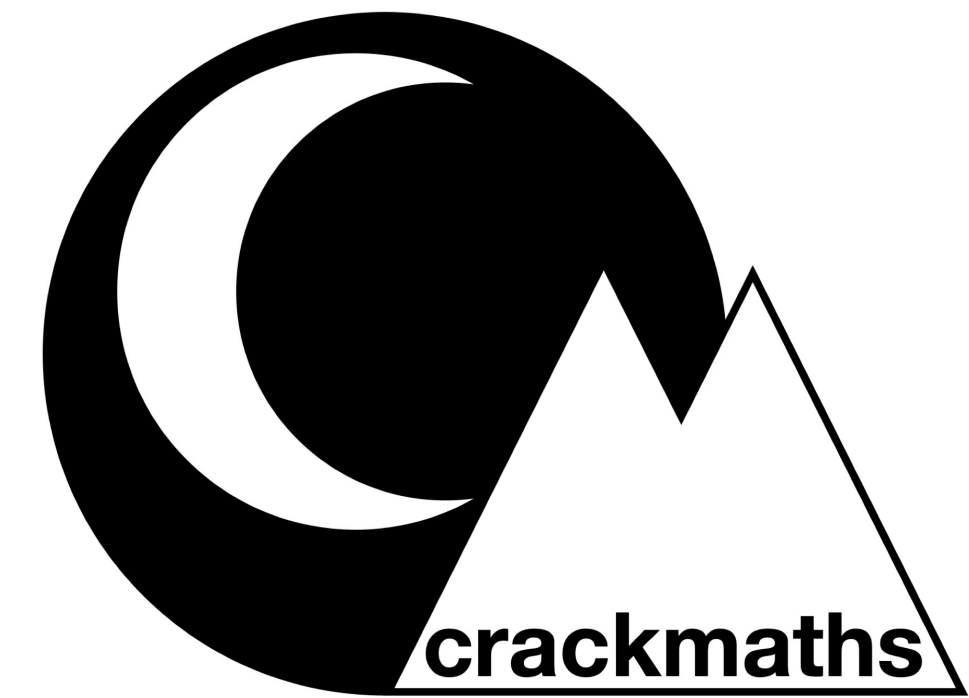
C

-30, -10, 17, 15

D

-3, -10, 17, 25

How to list numbers in size order



1. Which of the following lists of numbers are written correctly from smallest to largest?

A

-3, -10, -17, -25

C

-30, -10, 17, 15

B

-30, -25, -17, -10

D

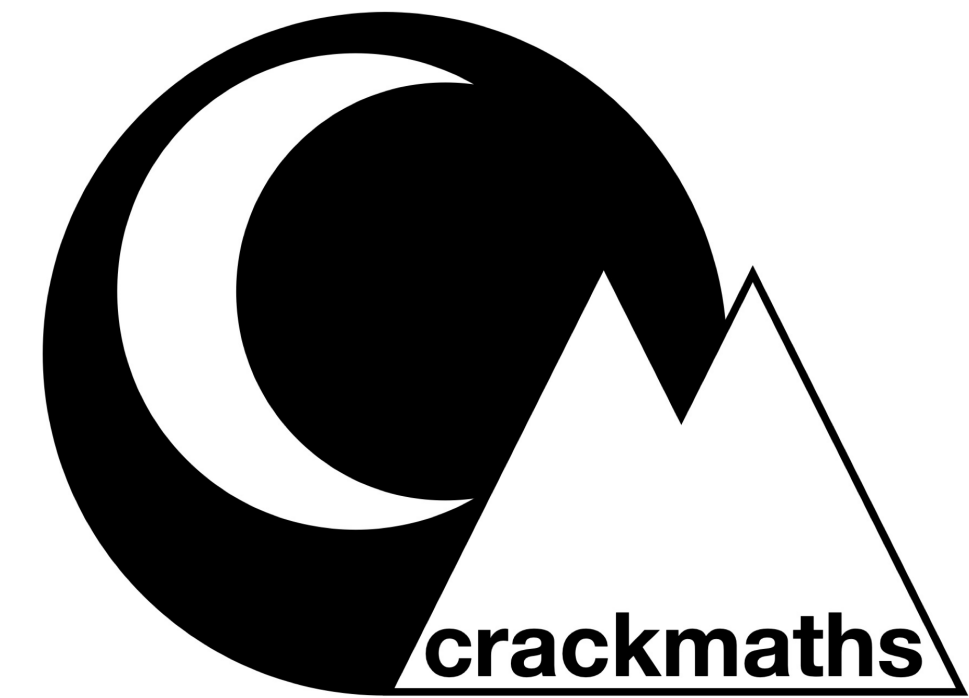
-3, -10, 17, 25

How to add large numbers without a calculator



2. Without a calculator what is $175 + 2755$?

How to add large numbers without a calculator



2. Without a calculator what is $175 + 2755$?

A
4505

How to add large numbers without a calculator



2. Without a calculator what is $175 + 2755$?

A
4505

B
2820

How to add large numbers without a calculator



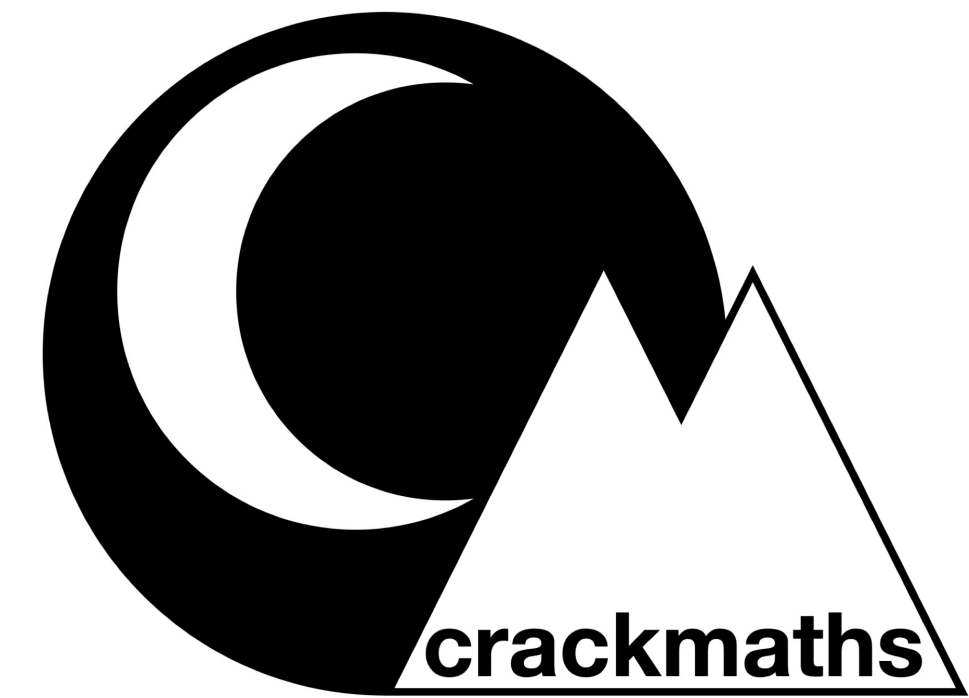
2. Without a calculator what is $175 + 2755$?

A
4505

B
2820

C
2930

How to add large numbers without a calculator



2. Without a calculator what is $175 + 2755$?

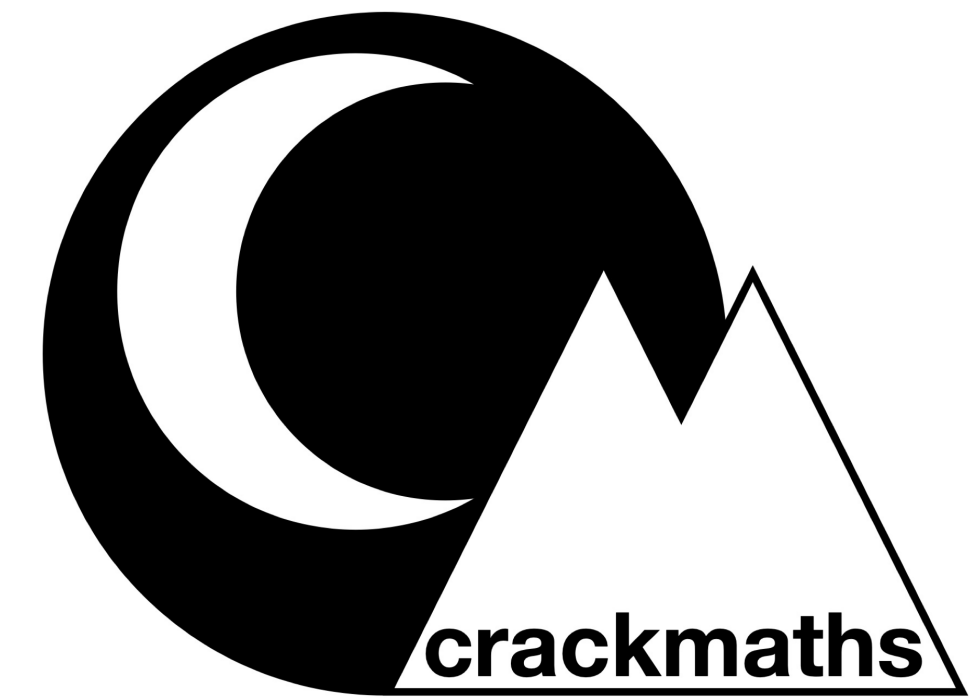
A
4505

C
2930

B
2820

D
1752755

How to add large numbers without a calculator



2. Without a calculator what is $175 + 2755$?

A
4505

B
2820

C
2930

D
1752755

How to multiply large numbers without a calculator



3. Without a calculator what is 35×752 ?

How to multiply large numbers without a calculator



3. Without a calculator what is 35×752 ?

A
5916

How to multiply large numbers without a calculator



3. Without a calculator what is 35×752 ?

A
5916

B
26320

How to multiply large numbers without a calculator



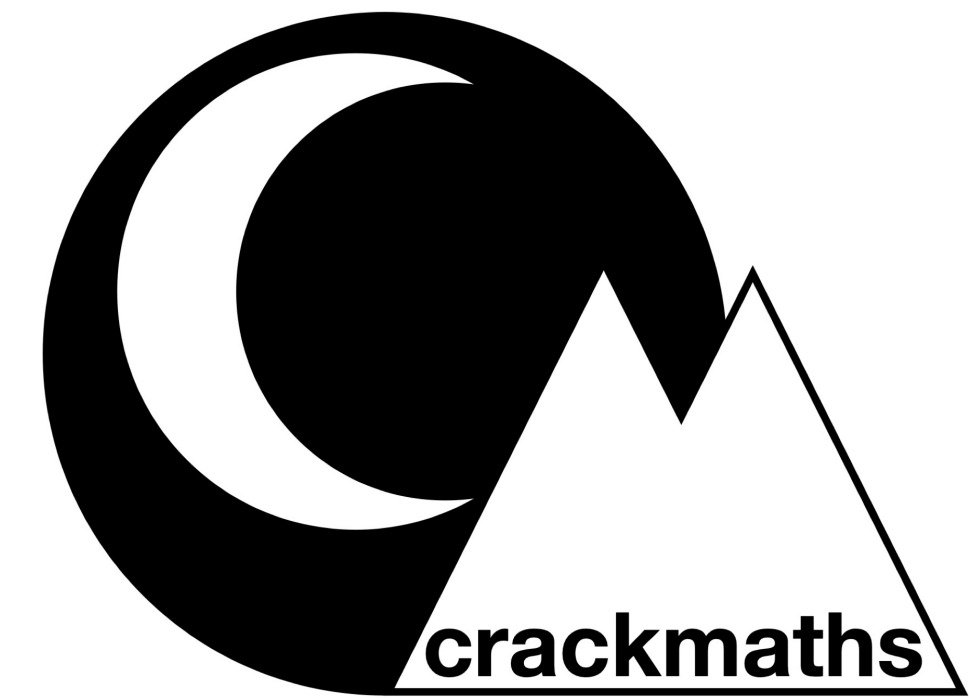
3. Without a calculator what is 35×752 ?

A
5916

B
26320

C
25220

How to multiply large numbers without a calculator



3. Without a calculator what is 35×752 ?

A
5916

C
25220

B
26320

D
26425

How to multiply large numbers without a calculator



3. Without a calculator what is 35×752 ?

A
5916

C
25220

B
26320

D
26425

How to subtract large numbers without a calculator



4. Without a calculator what is $635 - 459$?

How to subtract large numbers without a calculator



4. Without a calculator what is $635 - 459$?

A
176

How to subtract large numbers without a calculator



4. Without a calculator what is $635 - 459$?

A
176

B
224

How to subtract large numbers without a calculator



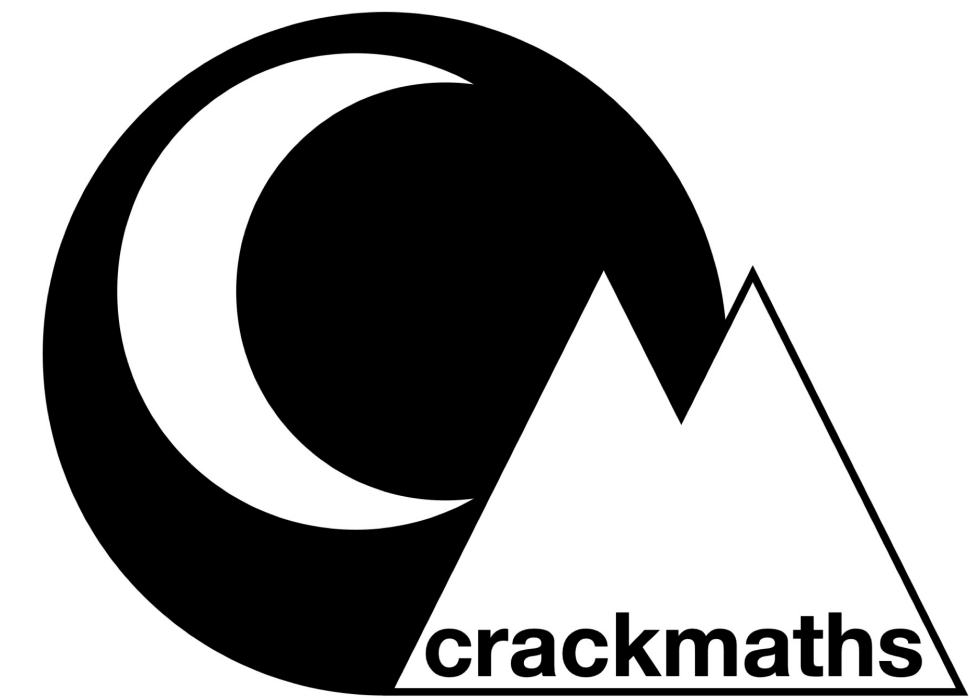
4. Without a calculator what is $635 - 459$?

A
176

B
224

C
1094

How to subtract large numbers without a calculator



4. Without a calculator what is $635 - 459$?

A
176

B
224

C
1094

D
186

How to subtract large numbers without a calculator



4. Without a calculator what is $635 - 459$?

A
176

C
1094

B
224

D
186

How to divide large numbers without a calculator



5. Without a calculator what is $645 \div 15$?

How to divide large numbers without a calculator



5. Without a calculator what is $645 \div 15$?

A
63

How to divide large numbers without a calculator



5. Without a calculator what is $645 \div 15$?

A
63

B
43

How to divide large numbers without a calculator



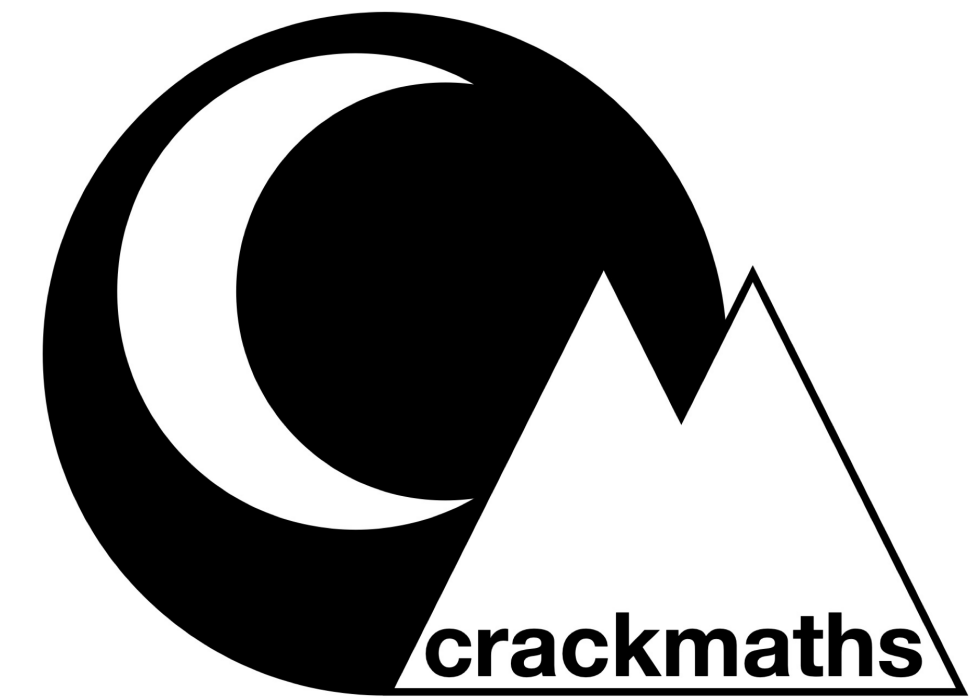
5. Without a calculator what is $645 \div 15$?

A
63

B
43

C
0.023

How to divide large numbers without a calculator



5. Without a calculator what is $645 \div 15$?

A
63

C
0.023

B
43

D
630

How to divide large numbers without a calculator



5. Without a calculator what is $645 \div 15$?

A
63

C
0.023

B
43

D
630

How to make sensible estimates by rounding



6. What is the official estimate for 97×1254 ?

How to make sensible estimates by rounding



6. What is the official estimate for 97×1254 ?

A
 100×1000

How to make sensible estimates by rounding



6. What is the official estimate for 97×1254 ?

A

$$100 \times 1000$$

B

$$90 \times 1000$$

How to make sensible estimates by rounding



6. What is the official estimate for 97×1254 ?

A

$$100 \times 1000$$

B

$$90 \times 1000$$

C

$$95 \times 1200$$

How to make sensible estimates by rounding



6. What is the official estimate for 97×1254 ?

A

$$100 \times 1000$$

B

$$90 \times 1000$$

C

$$95 \times 1200$$

D

$$100 \times 1200$$

How to make sensible estimates by rounding



6. What is the official estimate for 97×1254 ?

A

$$100 \times 1000$$

B

$$90 \times 1000$$

C

$$95 \times 1200$$

D

$$100 \times 1200$$

How to substitute into formula



7. If: $^{\circ}\text{C} = (^{\circ}\text{F} - 32) \div 1.8$, which of the following are correct?

How to substitute into formula



7. If: $^{\circ}\text{C} = (^{\circ}\text{F} - 32) \div 1.8$, which of the following are correct?

A

$10^{\circ}\text{C} = 50^{\circ}\text{F}$

How to substitute into formula



7. If: $^{\circ}\text{C} = (^{\circ}\text{F} - 32) \div 1.8$, which of the following are correct?

A

$$10^{\circ}\text{C} = 50^{\circ}\text{F}$$

B

$$20^{\circ}\text{C} = 100^{\circ}\text{F}$$

How to substitute into formula



7. If: $^{\circ}\text{C} = (^{\circ}\text{F} - 32) \div 1.8$, which of the following are correct?

A

$$10^{\circ}\text{C} = 50^{\circ}\text{F}$$

B

$$20^{\circ}\text{C} = 100^{\circ}\text{F}$$

C

$$25^{\circ}\text{C} = 68^{\circ}\text{F}$$

How to substitute into formula



7. If: $^{\circ}\text{C} = (^{\circ}\text{F} - 32) \div 1.8$, which of the following are correct?

A

$$10^{\circ}\text{C} = 50^{\circ}\text{F}$$

B

$$20^{\circ}\text{C} = 100^{\circ}\text{F}$$

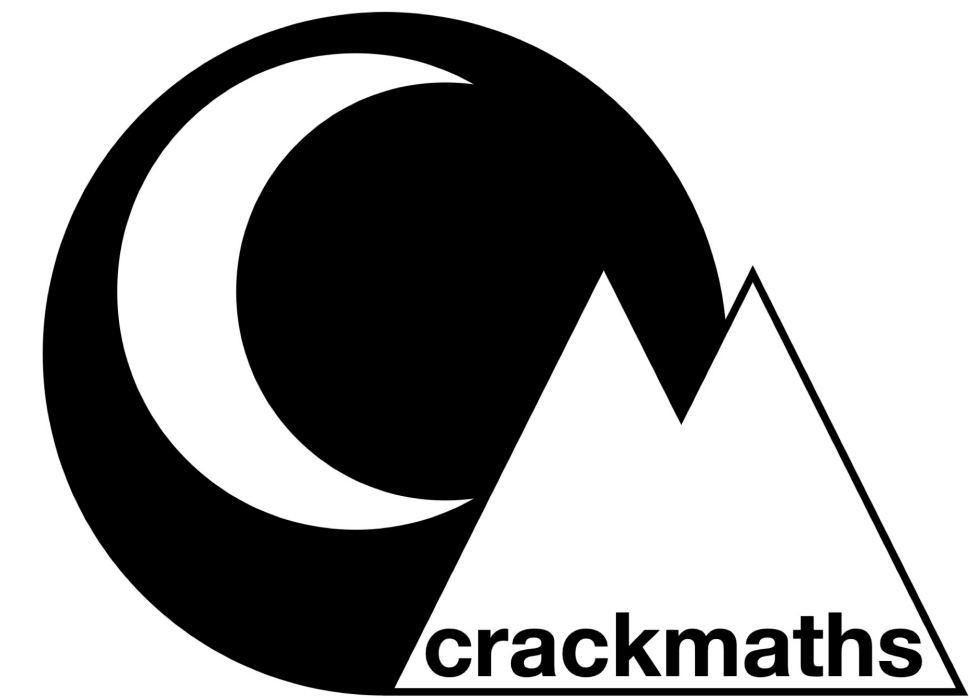
C

$$25^{\circ}\text{C} = 68^{\circ}\text{F}$$

D

$$0^{\circ}\text{C} = 0^{\circ}\text{F}$$

How to substitute into formula



7. If: $^{\circ}\text{C} = (^{\circ}\text{F} - 32) \div 1.8$, which of the following are correct?

A

$$10^{\circ}\text{C} = 50^{\circ}\text{F}$$

B

$$20^{\circ}\text{C} = 100^{\circ}\text{F}$$

C

$$25^{\circ}\text{C} = 68^{\circ}\text{F}$$

D

$$0^{\circ}\text{C} = 0^{\circ}\text{F}$$

How to turn fractions into decimals



8. Which of the following is equivalent to $\frac{1}{5}$?

A
50%

B
1.5

C
0.2

D
15%

How to turn fractions into decimals



8. Which of the following is equivalent to $\frac{1}{5}$?

A
50%

B
1.5

C
0.2

D
15%

How to turn percentages into fractions and decimals



9. Which of the following are equivalent to 7%?

How to turn percentages into fractions and decimals



9. Which of the following are equivalent to 7%?

A
7/10

How to turn percentages into fractions and decimals



9. Which of the following are equivalent to 7%?

A
7/10

B
7/100

How to turn percentages into fractions and decimals



9. Which of the following are equivalent to 7%?

$$\begin{array}{c} \underline{\mathbf{A}} \\ \mathbf{7/10} \end{array}$$

$$\begin{array}{c} \underline{\mathbf{B}} \\ \mathbf{7/100} \end{array}$$

$$\begin{array}{c} \underline{\mathbf{C}} \\ \mathbf{0.7} \end{array}$$

How to turn percentages into fractions and decimals



9. Which of the following are equivalent to 7%?

A
7/10

B
7/100

C
0.7

D
0.07

How to turn percentages into fractions and decimals



9. Which of the following are equivalent to 7%?

A
7/10

C
0.7

B
7/100

D
0.07

How to turn decimals into fractions and percentages



10. Which of the following are equivalent to 0.31?

How to turn decimals into fractions and percentages



10. Which of the following are equivalent to 0.31?

A
31/100

How to turn decimals into fractions and percentages



10. Which of the following are equivalent to 0.31?

$$\begin{array}{c} \underline{\mathbf{A}} \\ \mathbf{31/100} \end{array}$$

$$\begin{array}{c} \underline{\mathbf{B}} \\ \mathbf{31\%} \end{array}$$

How to turn decimals into fractions and percentages



10. Which of the following are equivalent to 0.31?

A
 $31/100$

B
 31%

C
 3.1%

How to turn decimals into fractions and percentages



10. Which of the following are equivalent to 0.31?

A
31/100

B
31%

C
3.1%

D
0.031

How to turn decimals into fractions and percentages



10. Which of the following are equivalent to 0.31?

A
31/100

B
31%

C
3.1%

D
0.031

How to find a percentage of an amount



11. What is 15% of £80?

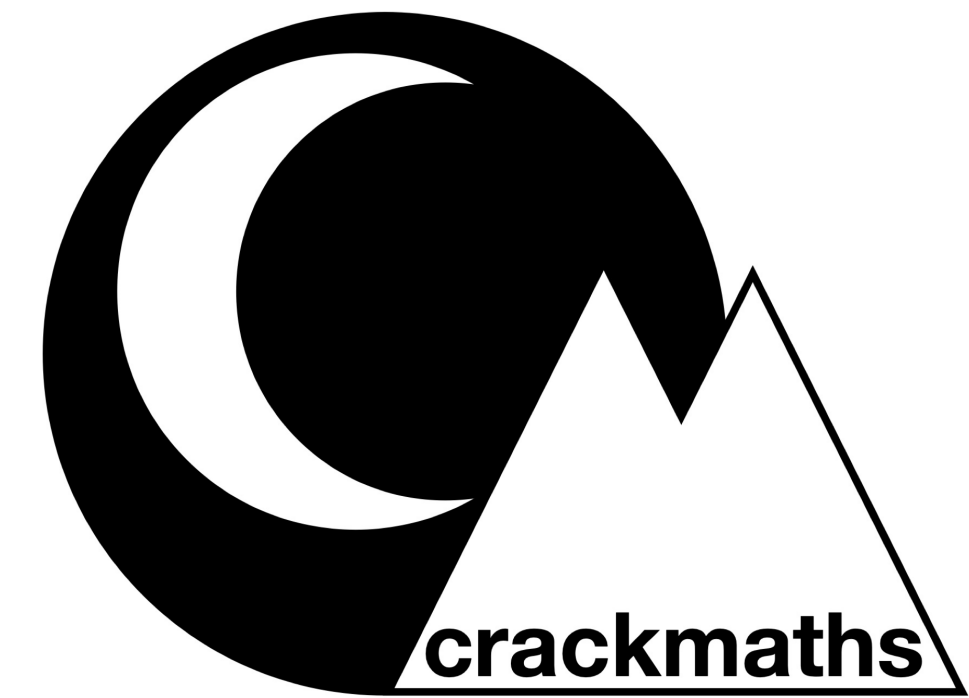
How to find a percentage of an amount



11. What is 15% of £80?

A
£15

How to find a percentage of an amount

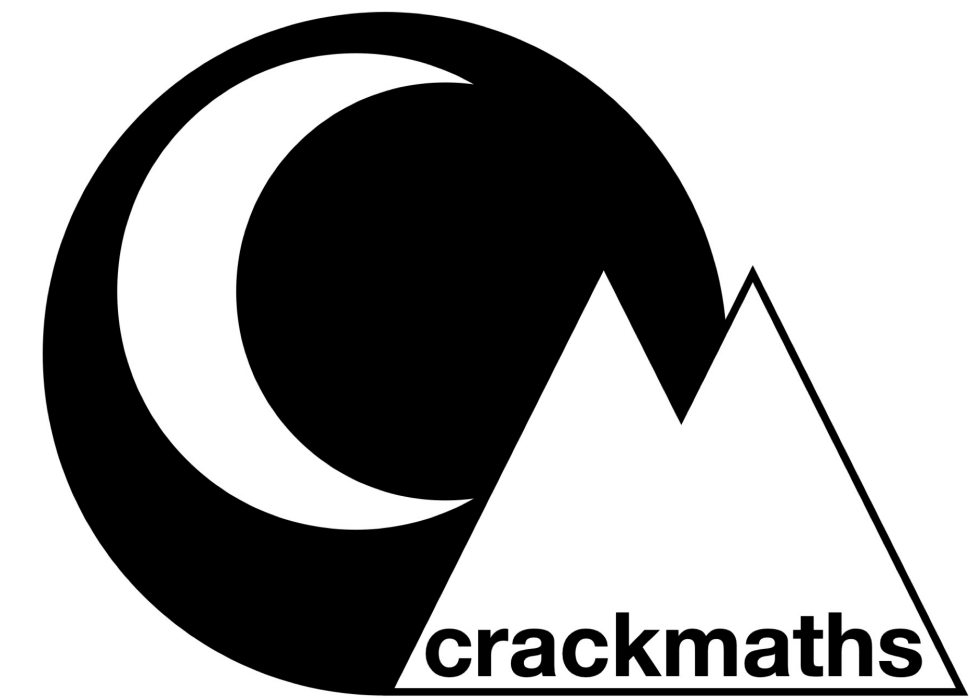


11. What is 15% of £80?

A
£15

B
£5.33

How to find a percentage of an amount



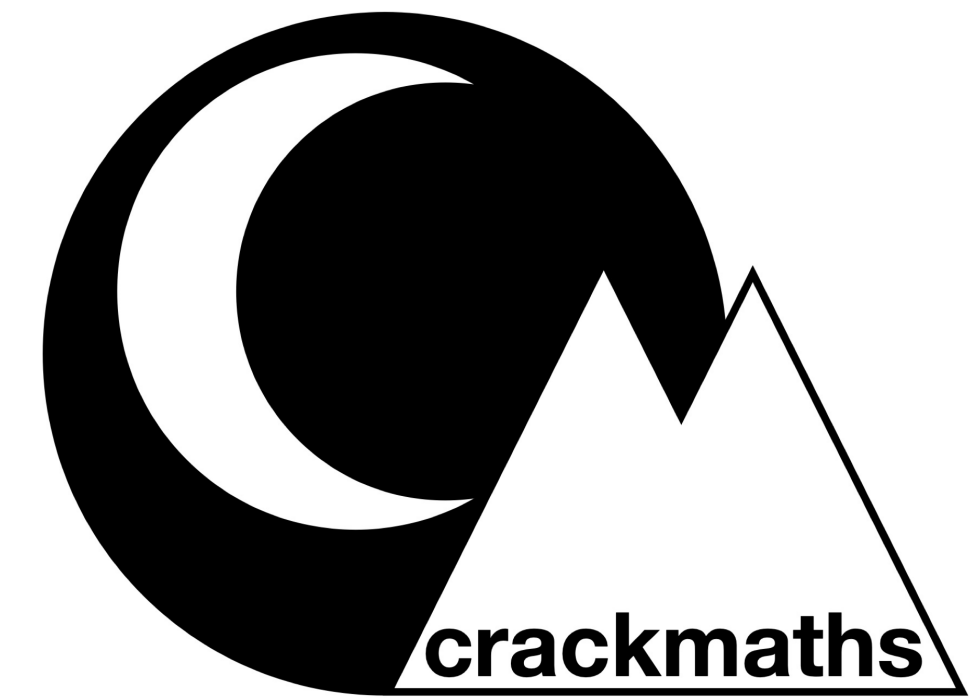
11. What is 15% of £80?

A
£15

B
£5.33

C
£12

How to find a percentage of an amount



11. What is 15% of £80?

A
£15

C
£12

B
£5.33

D
£8

How to find a percentage of an amount



11. What is 15% of £80?

A
£15

C
£12

B
£5.33

D
£8

How to express one number as a percentage of another



12. What is 24 as a percentage of 50?

How to express one number as a percentage of another



12. What is 24 as a percentage of 50?

A
24%

How to express one number as a percentage of another



12. What is 24 as a percentage of 50?

A
24%

B
48%

How to express one number as a percentage of another



12. What is 24 as a percentage of 50?

A
24%

B
48%

C
26%

How to express one number as a percentage of another



12. What is 24 as a percentage of 50?

A
24%

B
48%

C
26%

D
208.3%

How to express one number as a percentage of another



12. What is 24 as a percentage of 50?

A
24%

C
26%

B
48%

D
208.3%

How to calculate percentage change



13. What is the percentage increase from £8 to £12?

How to calculate percentage change



13. What is the percentage increase from £8 to £12?

A
50%

How to calculate percentage change



13. What is the percentage increase from £8 to £12?

A
50%

B
67%

How to calculate percentage change



13. What is the percentage increase from £8 to £12?

A
50%

B
67%

C
75%

How to calculate percentage change



13. What is the percentage increase from £8 to £12?

A
50%

B
67%

C
75%

D
150%

How to calculate percentage change



13. What is the percentage increase from £8 to £12?

A
50%

B
67%

C
75%

D
150%

How to find the original amount after a percentage change



14. Interest is paid into an account at 6.5%. The balance is now £553.80. What was it before?

How to find the original amount after a percentage change



14. Interest is paid into an account at 6.5%. The balance is now £553.80. What was it before?

A
£589.78

How to find the original amount after a percentage change



14. Interest is paid into an account at 6.5%. The balance is now £553.80. What was it before?

A
£589.78

B
£550

How to find the original amount after a percentage change



14. Interest is paid into an account at 6.5%. The balance is now £553.80. What was it before?

A
£589.78

B
£550

C
£520

How to find the original amount after a percentage change



14. Interest is paid into an account at 6.5%. The balance is now £553.80. What was it before?

A
£589.78

B
£550

C
£520

D
£517.80

How to find the original amount after a percentage change



14. Interest is paid into an account at 6.5%. The balance is now £553.80. What was it before?

A
£589.78

B
£550

C
£520

D
£517.80

How to simplify fractions



15. Which fraction simplifies to $\frac{2}{5}$?

How to simplify fractions



15. Which fraction simplifies to $\frac{2}{5}$?

A
25/50

How to simplify fractions



15. Which fraction simplifies to $\frac{2}{5}$?

A
 $\frac{25}{50}$

B
 $\frac{5}{2}$

How to simplify fractions



15. Which fraction simplifies to $\frac{2}{5}$?

A
25/50

B
5/2

C
10/15

How to simplify fractions



15. Which fraction simplifies to $\frac{2}{5}$?

A
25/50

B
5/2

C
10/15

D
6/15

How to simplify fractions



15. Which fraction simplifies to $\frac{2}{5}$?

A
 $\frac{25}{50}$

B
 $\frac{5}{2}$

C
 $\frac{10}{15}$

D
 $\frac{6}{15}$

How to switch between improper fractions and mixed numbers



16. Which fractions are the same?

How to switch between improper fractions and mixed numbers



16. Which fractions are the same?

$$\frac{A}{2 \frac{2}{5}}$$

How to switch between improper fractions and mixed numbers



16. Which fractions are the same?

$$\begin{array}{c} \underline{\mathbf{A}} \\ 2 \frac{2}{5} \end{array}$$

$$\begin{array}{c} \underline{\mathbf{B}} \\ 1 \frac{1}{5} \end{array}$$

How to switch between improper fractions and mixed numbers



16. Which fractions are the same?

$$\begin{array}{c} \underline{\mathbf{A}} \\ 2 \frac{2}{5} \end{array}$$

$$\begin{array}{c} \underline{\mathbf{B}} \\ 1 \frac{1}{5} \end{array}$$

$$\begin{array}{c} \underline{\mathbf{C}} \\ 12/5 \end{array}$$

How to switch between improper fractions and mixed numbers



16. Which fractions are the same?

A
 $2 \frac{2}{5}$

B
 $1 \frac{1}{5}$

C
 $\frac{12}{5}$

D
 $\frac{4}{5}$

How to switch between improper fractions and mixed numbers



16. Which fractions are the same?

A
 $2 \frac{2}{5}$

C
 $12/5$

B
 $1 \frac{1}{5}$

D
 $4/5$

How to find a fraction of an amount



17. Which is the largest?

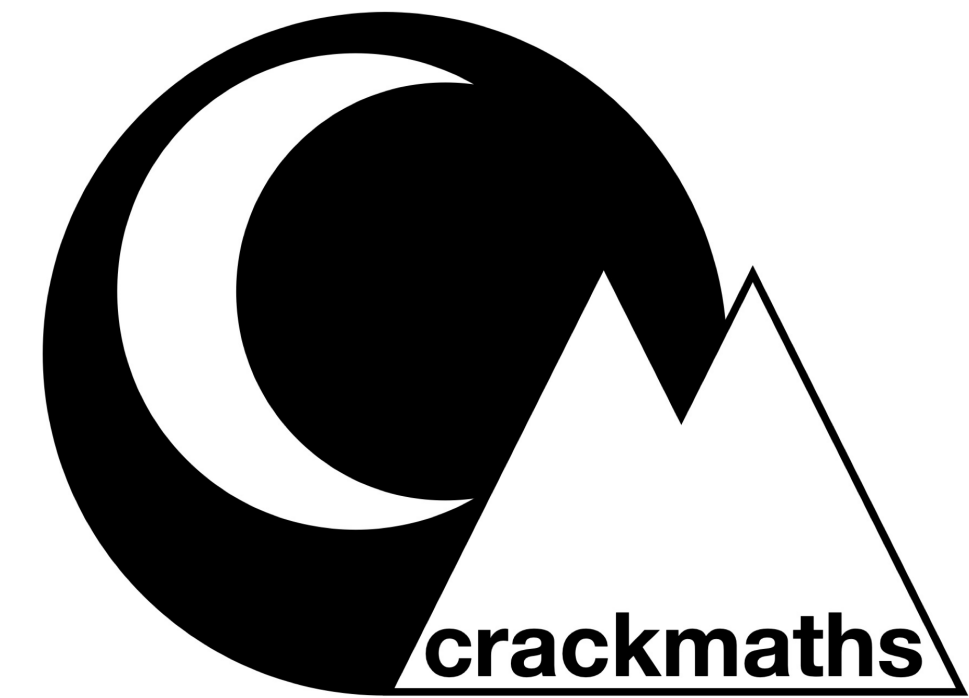
How to find a fraction of an amount



17. Which is the largest?

A
 $\frac{1}{5}$ of 205

How to find a fraction of an amount



17. Which is the largest?

A
 $\frac{1}{5}$ of 205

B
 $\frac{1}{3}$ of 99

How to find a fraction of an amount



17. Which is the largest?

A
 $\frac{1}{5}$ of 205

B
 $\frac{1}{3}$ of 99

C
 $\frac{1}{7}$ of 343

How to find a fraction of an amount



17. Which is the largest?

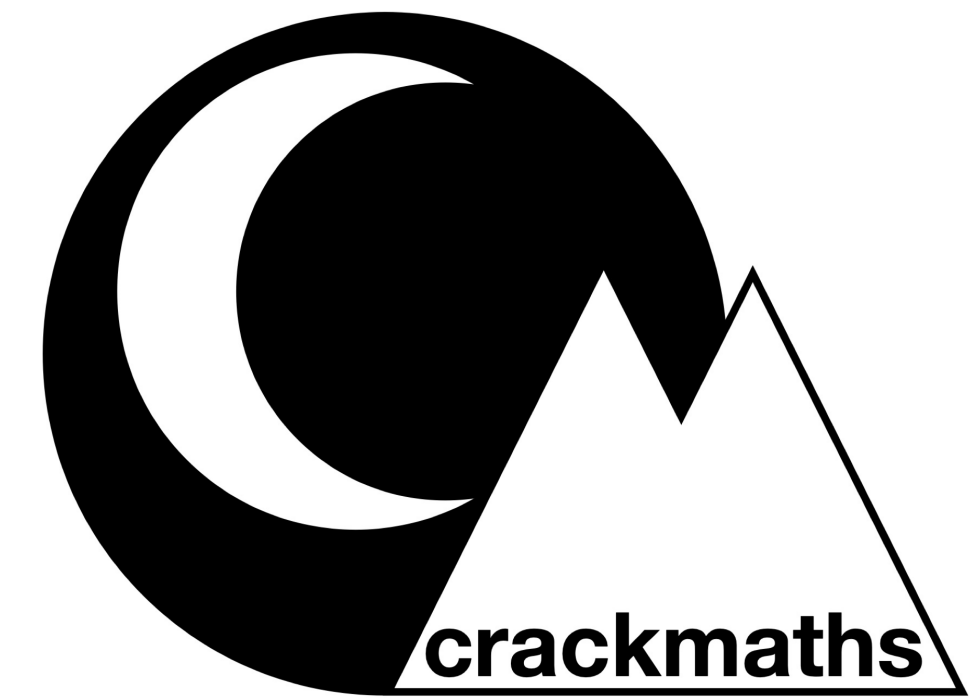
A
 $\frac{1}{5}$ of 205

C
 $\frac{1}{7}$ of 343

B
 $\frac{1}{3}$ of 99

D
 $\frac{1}{6}$ of 306

How to find a fraction of an amount



17. Which is the largest?

A
 $\frac{1}{5}$ of 205

C
 $\frac{1}{7}$ of 343

B
 $\frac{1}{3}$ of 99

D
 $\frac{1}{6}$ of 306

How to add, subtract, multiply and divide fractions



18. Which of the following are correct?

How to add, subtract, multiply and divide fractions



18. Which of the following are correct?

$$\begin{array}{c} \underline{A} \\ \frac{1}{3} + \frac{1}{4} = \frac{2}{7} \end{array}$$

How to add, subtract, multiply and divide fractions



18. Which of the following are correct?

A

$$\frac{1}{3} + \frac{1}{4} = \frac{2}{7}$$

B

$$\frac{1}{3} + \frac{1}{4} = \frac{7}{12}$$

How to add, subtract, multiply and divide fractions



18. Which of the following are correct?

A

$$\frac{1}{3} + \frac{1}{4} = \frac{2}{7}$$

B

$$\frac{1}{3} + \frac{1}{4} = \frac{7}{12}$$

C

$$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$$

How to add, subtract, multiply and divide fractions



18. Which of the following are correct?

A

$$\frac{1}{3} + \frac{1}{4} = \frac{2}{7}$$

B

$$\frac{1}{3} + \frac{1}{4} = \frac{7}{12}$$

C

$$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$$

D

$$\frac{1}{3} \div \frac{1}{4} = \frac{4}{3}$$

How to add, subtract, multiply and divide fractions



18. Which of the following are correct?

A

$$\frac{1}{3} + \frac{1}{4} = \frac{2}{7}$$

B

$$\frac{1}{3} + \frac{1}{4} = \frac{7}{12}$$

C

$$\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$$

D

$$\frac{1}{3} \div \frac{1}{4} = \frac{4}{3}$$

How to write one number as a fraction of another



19. What is 23 as a fraction of 60?

How to write one number as a fraction of another



19. What is 23 as a fraction of 60?

$$\frac{23}{60}$$

How to write one number as a fraction of another



19. What is 23 as a fraction of 60?

$$\frac{\underline{A}}{23/60}$$

$$\frac{\underline{B}}{1/2}$$

How to write one number as a fraction of another



19. What is 23 as a fraction of 60?

$$\frac{\underline{A}}{23/60}$$

$$\frac{\underline{B}}{1/2}$$

$$\frac{\underline{C}}{80}$$

How to write one number as a fraction of another



19. What is 23 as a fraction of 60?

$$\frac{\underline{\mathbf{A}}}{23/60}$$

$$\frac{\underline{\mathbf{B}}}{1/2}$$

$$\frac{\underline{\mathbf{C}}}{80}$$

$$\frac{\underline{\mathbf{D}}}{1/3}$$

How to write one number as a fraction of another



19. What is 23 as a fraction of 60?

A
 $\frac{23}{60}$

B
 $\frac{1}{2}$

C
80

D
 $\frac{1}{3}$

How to write decimals in size order



20. What is the largest decimal?

How to write decimals in size order



20. What is the largest decimal?

A
0.3

How to write decimals in size order



20. What is the largest decimal?

A
0.3

B
0.29

How to write decimals in size order



20. What is the largest decimal?

A
0.3

B
0.29

C
0.0305

How to write decimals in size order



20. What is the largest decimal?

A
0.3

B
0.29

C
0.0305

D
0.00968

How to write decimals in size order



20. What is the largest decimal?

A
0.3

B
0.29

C
0.0305

D
0.00968

How to add and subtract decimal numbers without a calculator



21. Without a calculator which of the following are correct?

How to add and subtract decimal numbers without a calculator



21. Without a calculator which of the following are correct?

How to add and subtract decimal numbers without a calculator



21. Without a calculator which of the following are correct?

$$\begin{array}{c} \text{A} \\ 0.457 - 0.04 = 0.453 \end{array}$$

How to add and subtract decimal numbers without a calculator



21. Without a calculator which of the following are correct?

A

$$0.457 - 0.04 = 0.453$$

B

$$0.04 + 0.453 = 0.493$$

How to add and subtract decimal numbers without a calculator



21. Without a calculator which of the following are correct?

A

$$0.457 - 0.04 = 0.453$$

B

$$0.04 + 0.453 = 0.493$$

C

$$0.04 + 0.453 = 0.457$$

How to add and subtract decimal numbers without a calculator



21. Without a calculator which of the following are correct?

A

$$0.457 - 0.04 = 0.453$$

B

$$0.04 + 0.453 = 0.493$$

C

$$0.04 + 0.453 = 0.457$$

D

$$0.493 - 0.04 = 0.093$$

How to add and subtract decimal numbers without a calculator



21. Without a calculator which of the following are correct?

A

$$0.457 - 0.04 = 0.453$$

C

$$0.04 + 0.453 = 0.457$$

B

$$0.04 + 0.453 = 0.493$$

D

$$0.493 - 0.04 = 0.093$$

How to multiply decimal numbers without a calculator



22. Without a calculator what is 2.3×0.15 ?

How to multiply decimal numbers without a calculator



22. Without a calculator what is 2.3×0.15 ?

A
3.45

How to multiply decimal numbers without a calculator



22. Without a calculator what is 2.3×0.15 ?

A
3.45

B
0.345

How to multiply decimal numbers without a calculator



22. Without a calculator what is 2.3×0.15 ?

A
3.45

B
0.345

C
1.38

How to multiply decimal numbers without a calculator



22. Without a calculator what is 2.3×0.15 ?

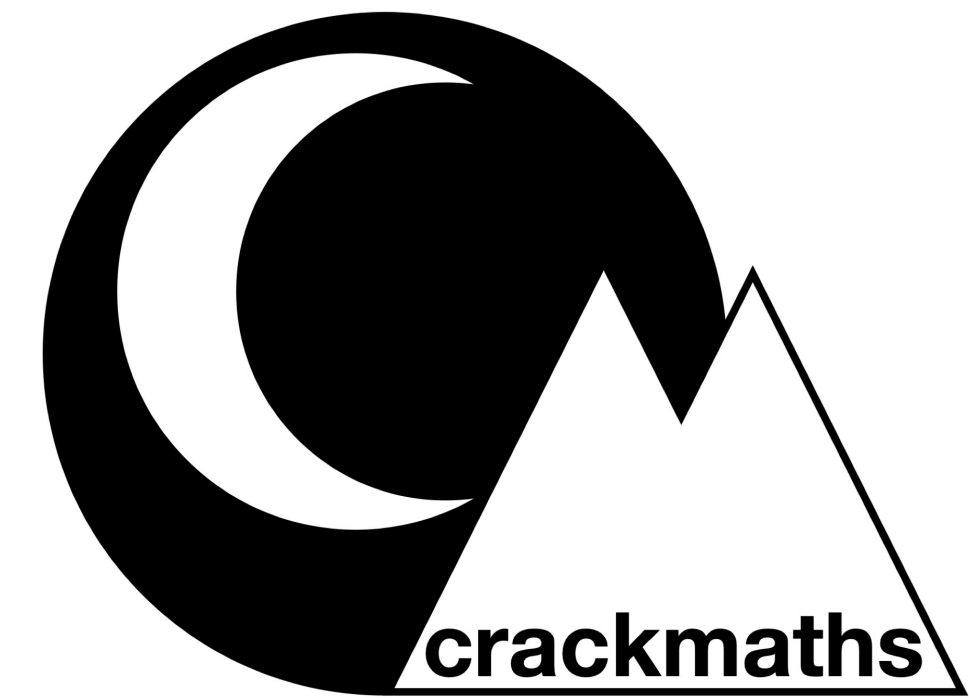
A
3.45

C
1.38

B
0.345

D
0.138

How to multiply decimal numbers without a calculator



22. Without a calculator what is 2.3×0.15 ?

A
3.45

C
1.38

B
0.345

D
0.138

How to divide decimal numbers without a calculator



23. Without a calculator what is $2.55 \div 0.15$?

How to divide decimal numbers without a calculator



23. Without a calculator what is $2.55 \div 0.15$?

A
0.17

How to divide decimal numbers without a calculator



23. Without a calculator what is $2.55 \div 0.15$?

A
0.17

B
0.0588

How to divide decimal numbers without a calculator



23. Without a calculator what is $2.55 \div 0.15$?

A
0.17

B
0.0588

C
5.88

How to divide decimal numbers without a calculator



23. Without a calculator what is $2.55 \div 0.15$?

A
0.17

B
0.0588

C
5.88

D
17

How to divide decimal numbers without a calculator



23. Without a calculator what is $2.55 \div 0.15$?

A
0.17

C
5.88

B
0.0588

D
17

How to calculate time taken to do a job by different numbers of people



24. If it takes 4 people 10 hours, how long will it take 5 people?

How to calculate time taken to do a job by different numbers of people



24. If it takes 4 people 10 hours, how long will it take 5 people?

**A
12.5 hours**

How to calculate time taken to do a job by different numbers of people



24. If it takes 4 people 10 hours, how long will it take 5 people?

A
12.5 hours

B
8 hours

How to calculate time taken to do a job by different numbers of people



24. If it takes 4 people 10 hours, how long will it take 5 people?

A
12.5 hours

B
8 hours

C
7.5 hours

How to calculate time taken to do a job by different numbers of people



24. If it takes 4 people 10 hours, how long will it take 5 people?

A
12.5 hours

B
8 hours

C
7.5 hours

D
12 hours

How to calculate time taken to do a job by different numbers of people



24. If it takes 4 people 10 hours, how long will it take 5 people?

A
12.5 hours

C
7.5 hours

B
8 hours

D
12 hours

How to scale up and down



25. If 1ft is 30cm how many cm is 7.5ft?

How to scale up and down



25. If 1ft is 30cm how many cm is 7.5ft?

A
4cm

How to scale up and down



25. If 1ft is 30cm how many cm is 7.5ft?

A
4cm

B
75cm

How to scale up and down



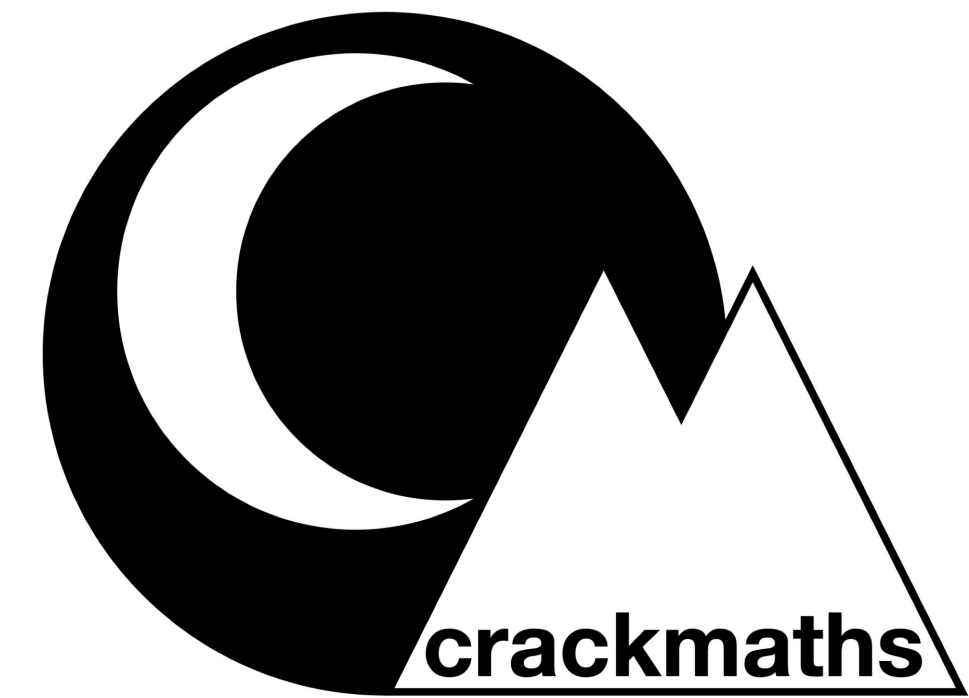
25. If 1ft is 30cm how many cm is 7.5ft?

A
4cm

B
75cm

C
225cm

How to scale up and down



25. If 1ft is 30cm how many cm is 7.5ft?

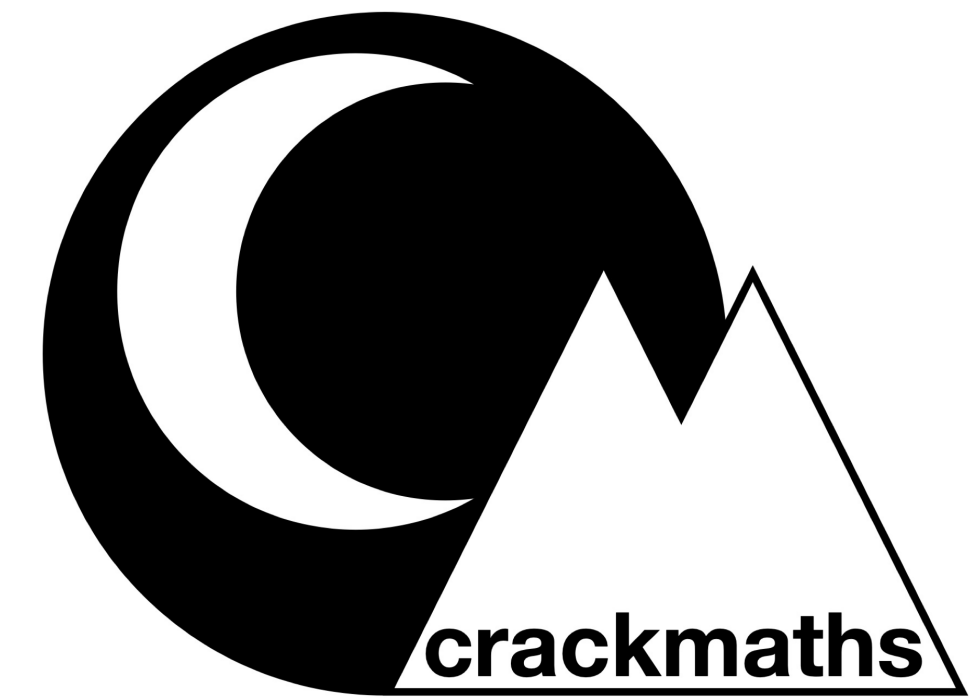
A
4cm

B
75cm

C
225cm

D
300cm

How to scale up and down



25. If 1ft is 30cm how many cm is 7.5ft?

A
4cm

B
75cm

C
225cm

D
300cm

How to share amounts in a given ratio



26. Share £60 in the ratio 2:3

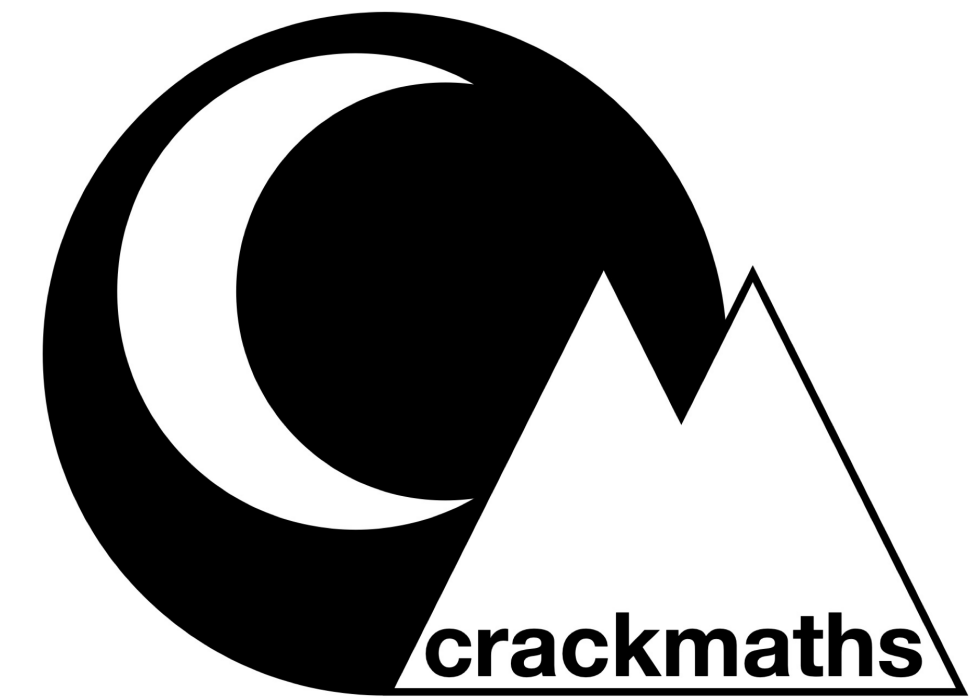
How to share amounts in a given ratio



26. Share £60 in the ratio 2:3

<u>A</u> 24:36

How to share amounts in a given ratio

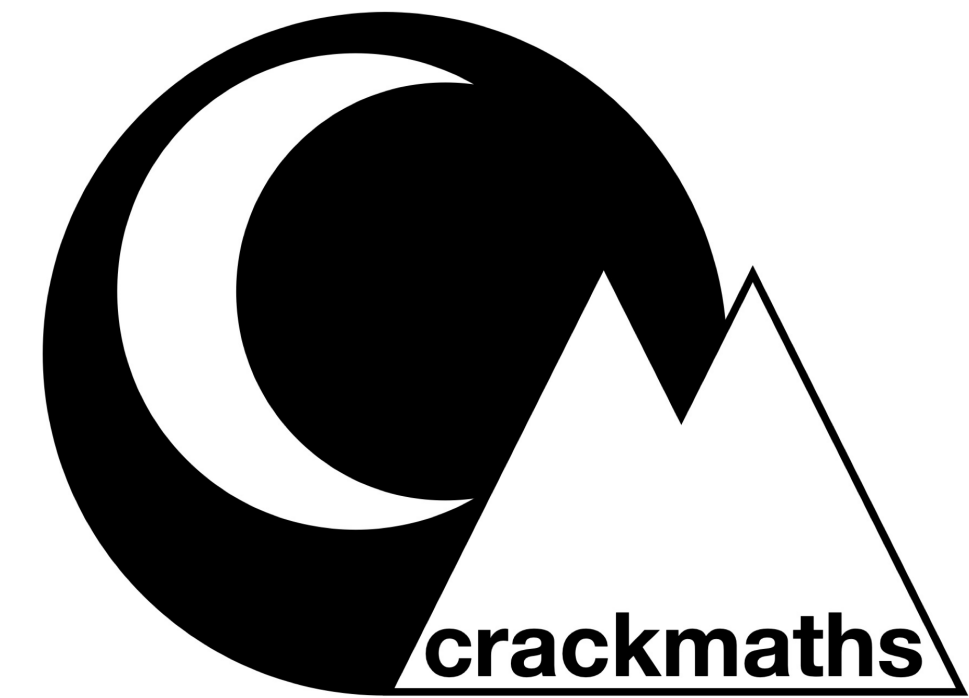


26. Share £60 in the ratio 2:3

A
24:36

B
30:20

How to share amounts in a given ratio



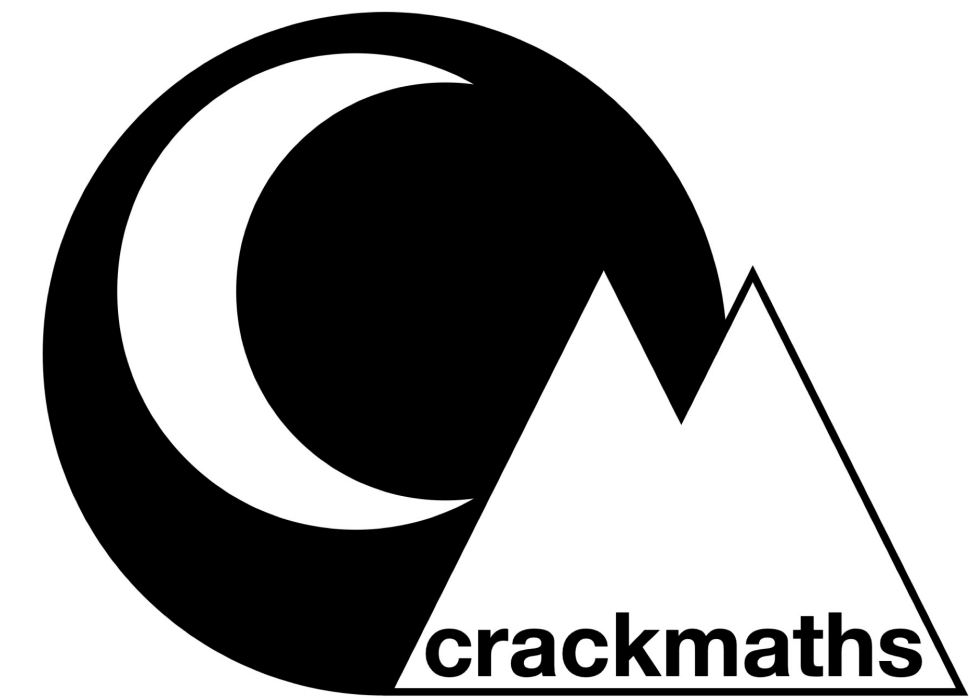
26. Share £60 in the ratio 2:3

A
24:36

B
30:20

C
20:30

How to share amounts in a given ratio



26. Share £60 in the ratio 2:3

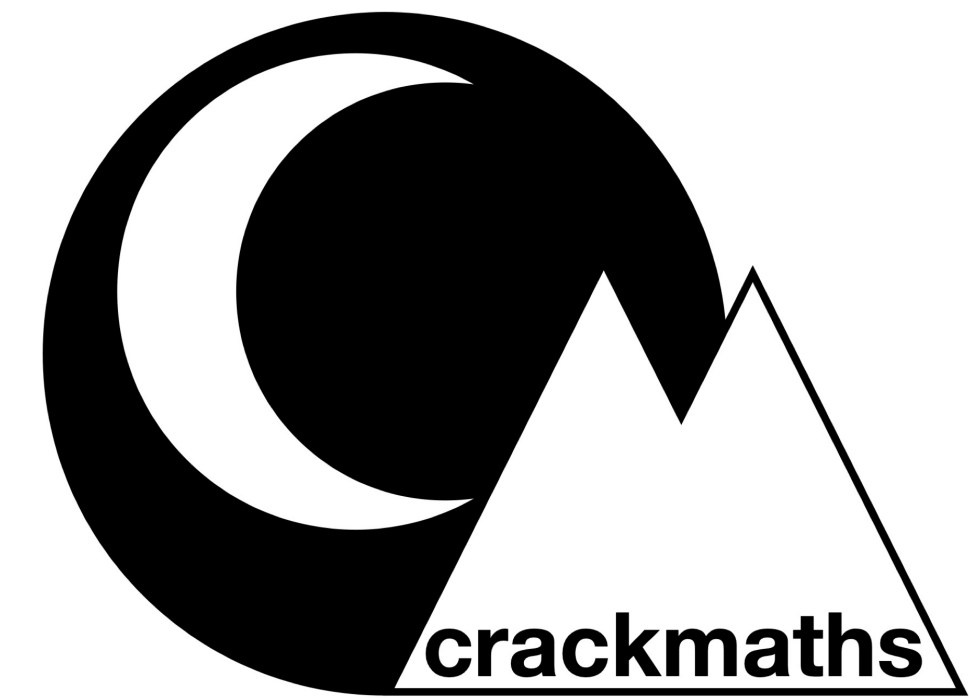
A
24:36

B
30:20

C
20:30

D
10:15

How to share amounts in a given ratio



26. Share £60 in the ratio 2:3

A
24:36

B
30:20

C
20:30

D
10:15

How to find the total amount when given a ratio part



27. Money is shared in the ratio 2:3:5. The third part receives £10 more than the second. How much money was shared?

How to find the total amount when given a ratio part



27. Money is shared in the ratio 2:3:5. The third part receives £10 more than the second. How much money was shared?

A
£50

How to find the total amount when given a ratio part



27. Money is shared in the ratio 2:3:5. The third part receives £10 more than the second. How much money was shared?

A
£50

B
£100

How to find the total amount when given a ratio part



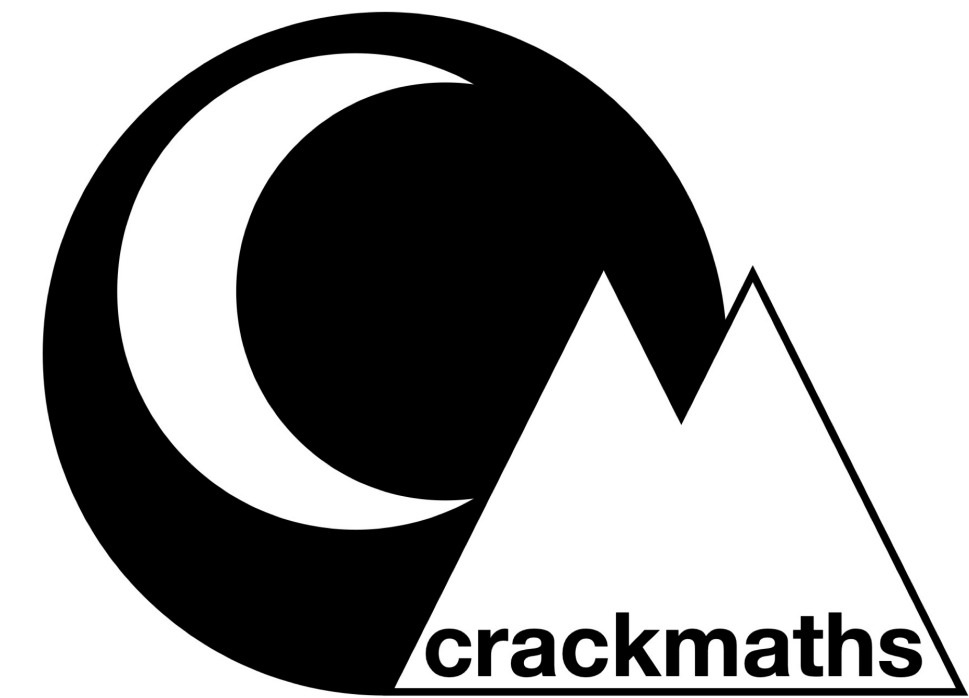
27. Money is shared in the ratio 2:3:5. The third part receives £10 more than the second. How much money was shared?

A
£50

B
£100

C
£20

How to find the total amount when given a ratio part



27. Money is shared in the ratio 2:3:5. The third part receives £10 more than the second. How much money was shared?

A
£50

B
£100

C
£20

D
£10

How to find the total amount when given a ratio part



27. Money is shared in the ratio 2:3:5. The third part receives £10 more than the second. How much money was shared?

A
£50

C
£20

B
£100

D
£10

How to write a ratio as 1:n



28. What is the ratio 5:9 when written as 1:n?

How to write a ratio as 1:n



28. What is the ratio 5:9 when written as 1:n?

A
1:9

How to write a ratio as 1:n

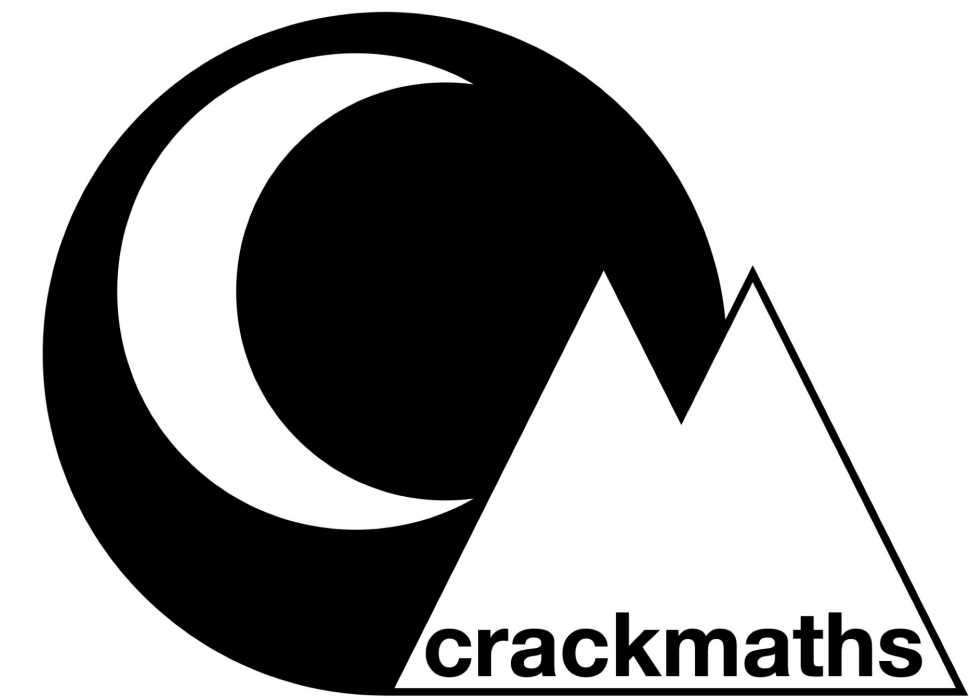


28. What is the ratio 5:9 when written as 1:n?

A
1:9

B
1:1.8

How to write a ratio as 1:n



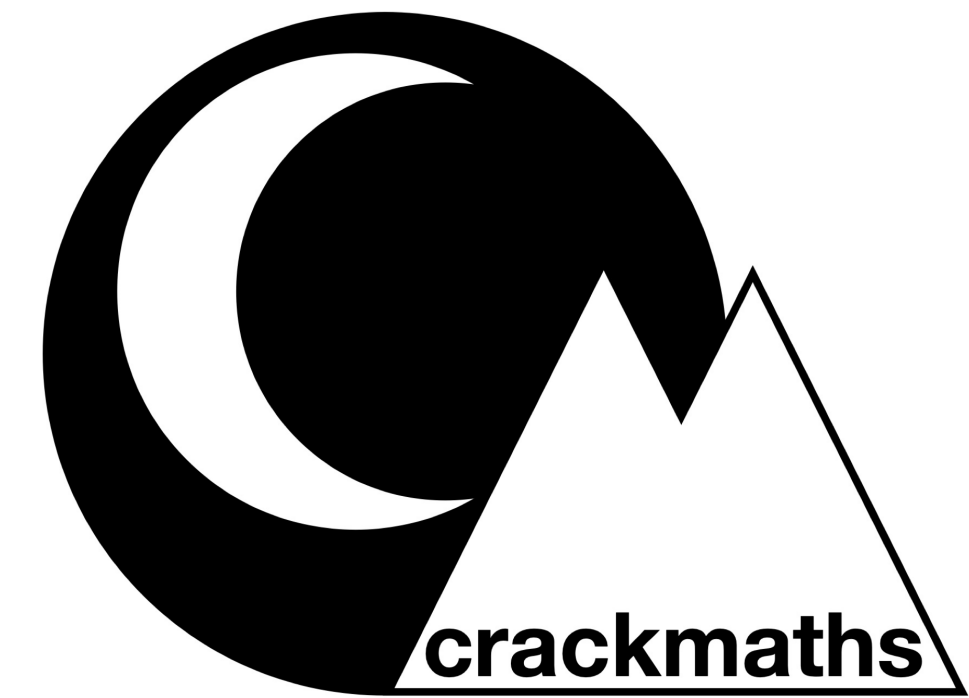
28. What is the ratio 5:9 when written as 1:n?

A
1:9

B
1:1.8

C
1:5

How to write a ratio as 1:n



28. What is the ratio 5:9 when written as 1:n?

A
1:9

B
1:1.8

C
1:5

D
1:14

How to write a ratio as 1:n



28. What is the ratio 5:9 when written as 1:n?

A
1:9

B
1:1.8

C
1:5

D
1:14

How to write a ratio in its simplest form



29. Write 28:35:49 in its simplest form?

How to write a ratio in its simplest form



29. Write 28:35:49 in its simplest form?

A
4:5:7

How to write a ratio in its simplest form

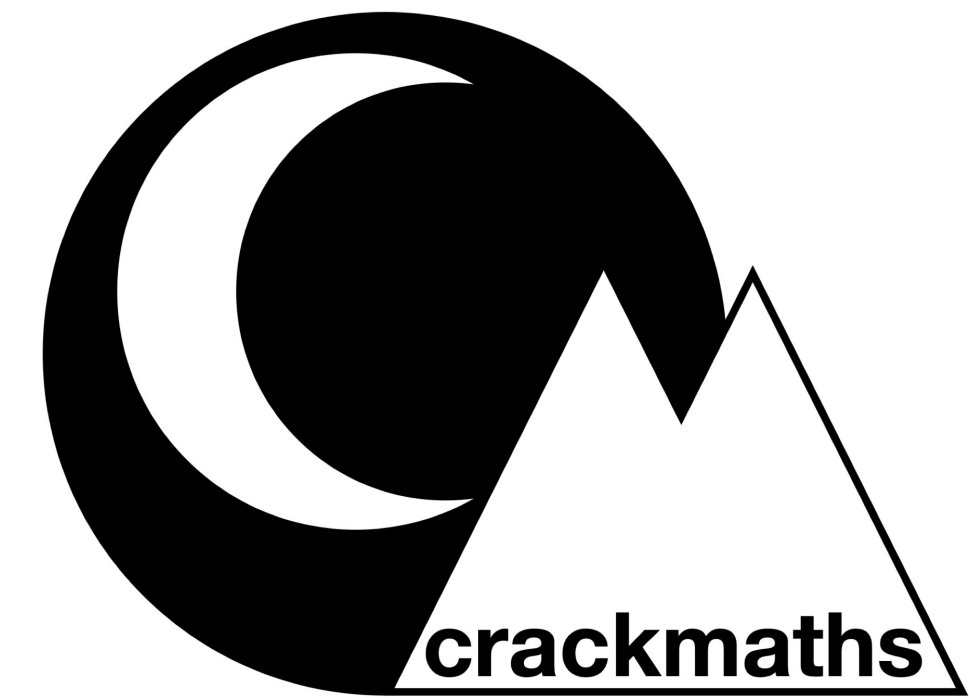


29. Write 28:35:49 in its simplest form?

A
4:5:7

B
112

How to write a ratio in its simplest form



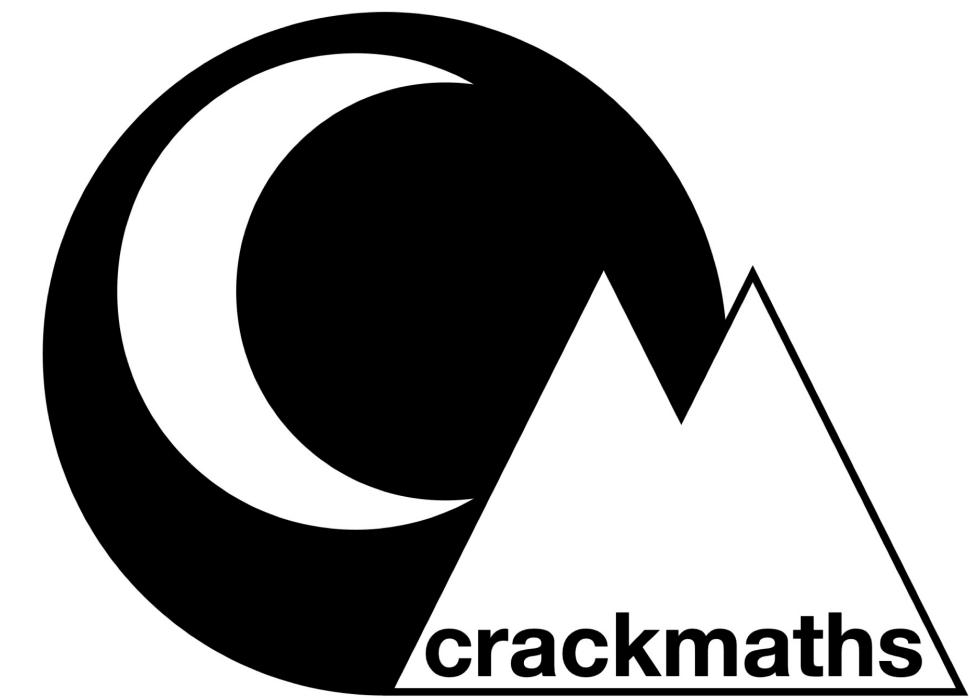
29. Write 28:35:49 in its simplest form?

A
4:5:7

B
112

C
1:1.25:1.75

How to write a ratio in its simplest form



29. Write 28:35:49 in its simplest form?

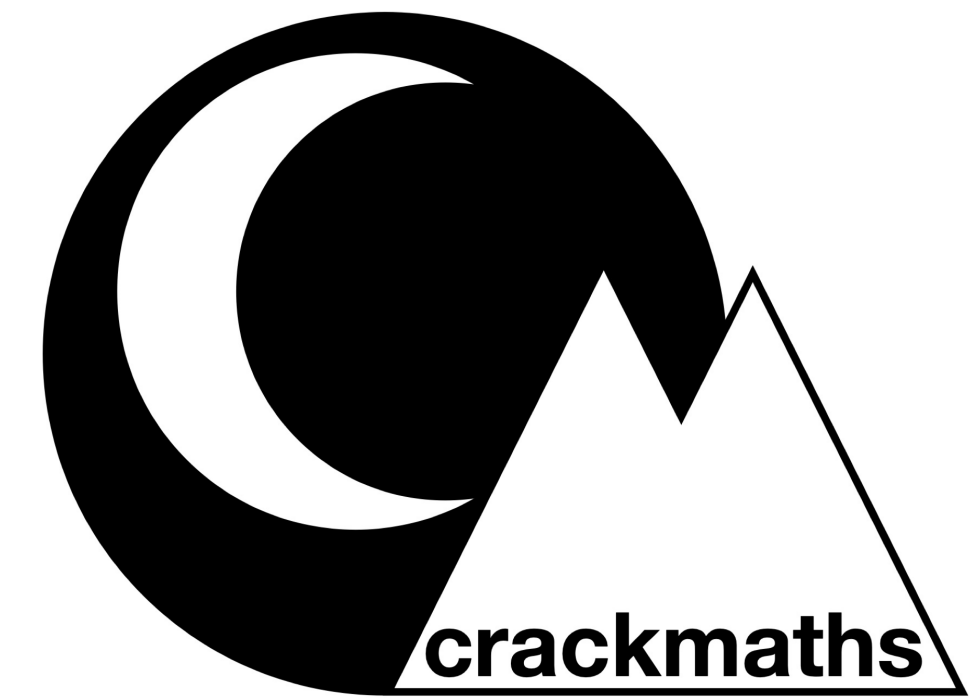
A
4:5:7

B
112

C
1:1.25:1.75

D
100:125:175

How to write a ratio in its simplest form



29. Write 28:35:49 in its simplest form?

A
4:5:7

B
112

C
1:1.25:1.75

D
100:125:175

How to multiply, divide, add and subtract in the correct order



30. Without a calculator what is $3 + 4 \times 5 - 4 \div 2$?

How to multiply, divide, add and subtract in the correct order



30. Without a calculator what is $3 + 4 \times 5 - 4 \div 2$?

A
3.5

How to multiply, divide, add and subtract in the correct order



30. Without a calculator what is $3 + 4 \times 5 - 4 \div 2$?

A
3.5

B
15.5

How to multiply, divide, add and subtract in the correct order



30. Without a calculator what is $3 + 4 \times 5 - 4 \div 2$?

A
3.5

B
15.5

C
21

How to multiply, divide, add and subtract in the correct order



30. Without a calculator what is $3 + 4 \times 5 - 4 \div 2$?

A
3.5

B
15.5

C
21

D
9.5

How to multiply, divide, add and subtract in the correct order



30. Without a calculator what is $3 + 4 \times 5 - 4 \div 2$?

A
3.5

B
15.5

C
21

D
9.5

How to use brackets and indices in calculations



31. Without a calculator what is $3 + 4 \times (5 - 2)^2 \div 3$?

How to use brackets and indices in calculations



31. Without a calculator what is $3 + 4 \times (5 - 2)^2 \div 3$?

A
27

How to use brackets and indices in calculations



31. Without a calculator what is $3 + 4 \times (5 - 2)^2 \div 3$?

A
27

B
13

How to use brackets and indices in calculations



31. Without a calculator what is $3 + 4 \times (5 - 2)^2 \div 3$?

A
27

B
13

C
15

How to use brackets and indices in calculations



31. Without a calculator what is $3 + 4 \times (5 - 2)^2 \div 3$?

A
27

B
13

C
15

D
21

How to use brackets and indices in calculations



31. Without a calculator what is $3 + 4 \times (5 - 2)^2 \div 3$?

A
27

B
13

C
15

D
21



Round 2: Measure, Shape and Space

How to calculate compound interest



32. £3000 is deposited in a savings account with a 3.4% interest rate. How much is in the account after 3 years?

How to calculate compound interest



32. £3000 is deposited in a savings account with a 3.4% interest rate. How much is in the account after 3 years?

A
£3306

How to calculate compound interest



32. £3000 is deposited in a savings account with a 3.4% interest rate. How much is in the account after 3 years?

A
£3306

B
£6060

How to calculate compound interest



32. £3000 is deposited in a savings account with a 3.4% interest rate. How much is in the account after 3 years?

A
£3306

B
£6060

C
£3316.52

How to calculate compound interest



32. £3000 is deposited in a savings account with a 3.4% interest rate. How much is in the account after 3 years?

A
£3306

B
£6060

C
£3316.52

D
£3429.28

How to calculate compound interest



32. £3000 is deposited in a savings account with a 3.4% interest rate. How much is in the account after 3 years?

A
£3306

B
£6060

C
£3316.52

D
£3429.28

How to save money in equal instalments



33. What equal monthly payment is required if you want to save £4800 over two years?

How to save money in equal instalments



33. What equal monthly payment is required if you want to save £4800 over two years?

A
£100

How to save money in equal instalments



33. What equal monthly payment is required if you want to save £4800 over two years?

A
£100

B
£200

How to save money in equal instalments



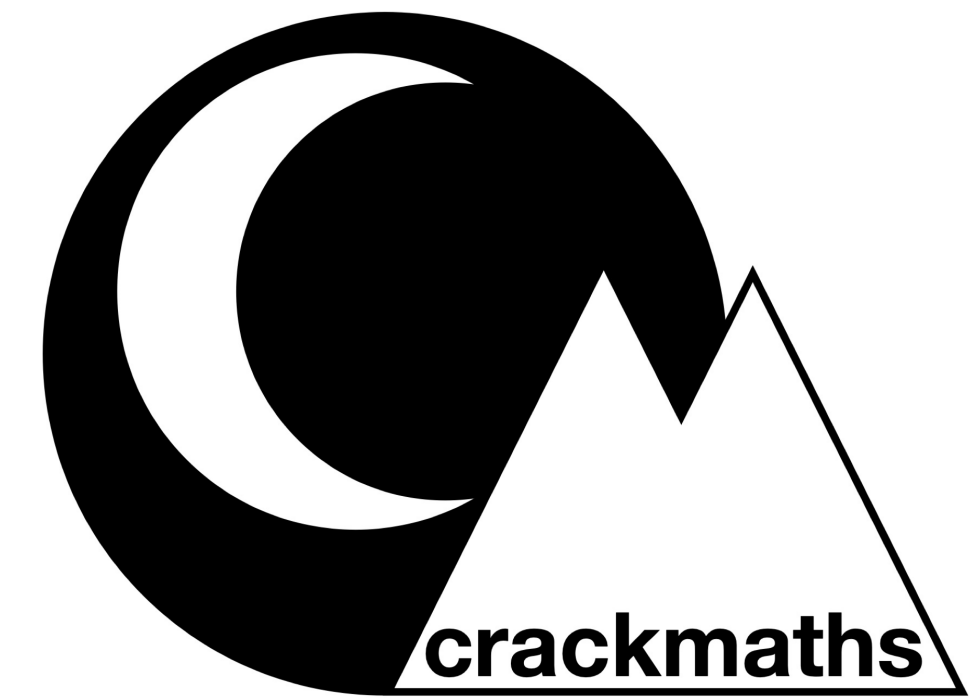
33. What equal monthly payment is required if you want to save £4800 over two years?

A
£100

B
£200

C
£300

How to save money in equal instalments



33. What equal monthly payment is required if you want to save £4800 over two years?

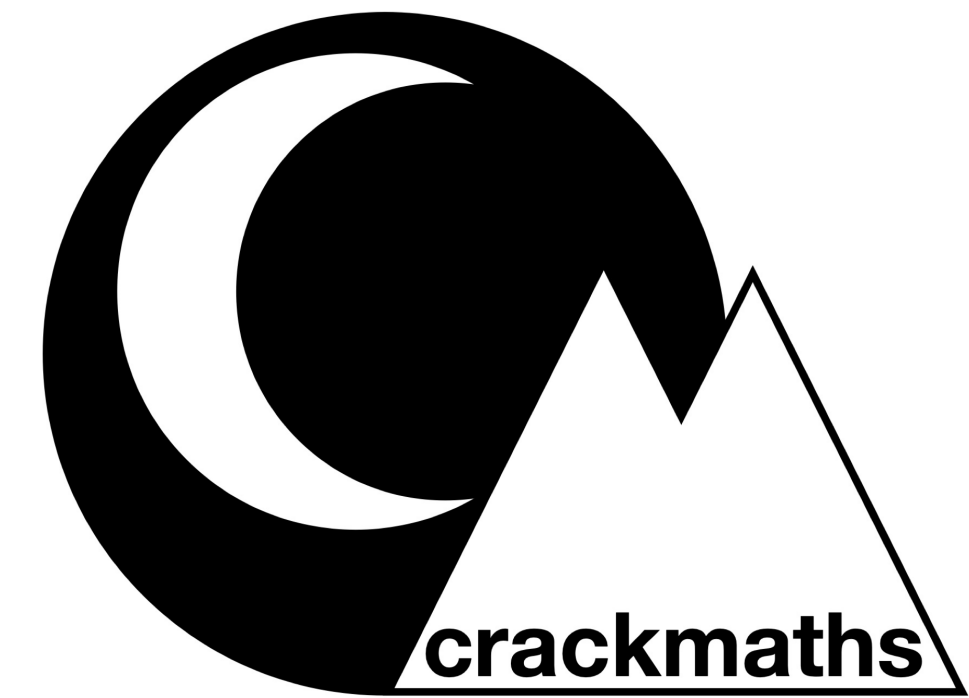
A
£100

B
£200

C
£300

D
£400

How to save money in equal instalments



33. What equal monthly payment is required if you want to save £4800 over two years?

A
£100

C
£300

B
£200

D
£400

How to calculate amounts of money



34. If someone earns £1800 a month, spends $\frac{1}{2}$ on rent, $\frac{1}{5}$ on food and $\frac{1}{8}$ on travel. How much do they have left?

How to calculate amounts of money



34. If someone earns £1800 a month, spends $\frac{1}{2}$ on rent, $\frac{1}{5}$ on food and $\frac{1}{8}$ on travel. How much do they have left?

A
£22.50

How to calculate amounts of money



34. If someone earns £1800 a month, spends $\frac{1}{2}$ on rent, $\frac{1}{5}$ on food and $\frac{1}{8}$ on travel. How much do they have left?

A
£22.50

B
£1485

How to calculate amounts of money



34. If someone earns £1800 a month, spends $\frac{1}{2}$ on rent, $\frac{1}{5}$ on food and $\frac{1}{8}$ on travel. How much do they have left?

A
£22.50

B
£1485

C
£315

How to calculate amounts of money



34. If someone earns £1800 a month, spends $\frac{1}{2}$ on rent, $\frac{1}{5}$ on food and $\frac{1}{8}$ on travel. How much do they have left?

A
£22.50

B
£1485

C
£315

D
£450

How to calculate amounts of money



34. If someone earns £1800 a month, spends $\frac{1}{2}$ on rent, $\frac{1}{5}$ on food and $\frac{1}{8}$ on travel. How much do they have left?

A
£22.50

B
£1485

C
£315

D
£450

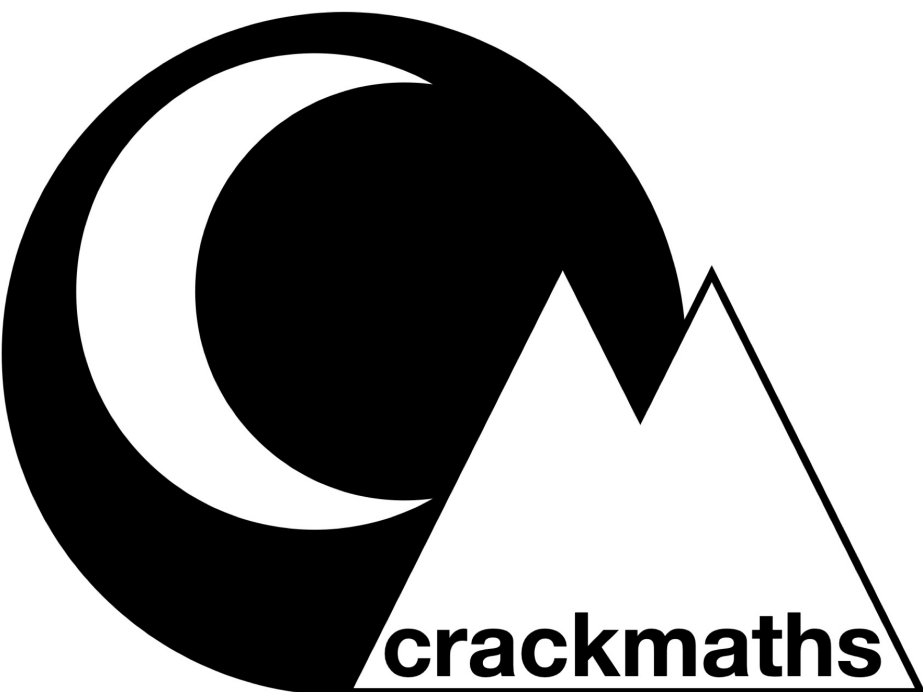
How to solve problems involving tax



35. The table shows tax paid on annual income, how much tax would someone earning £32,000 a year pay?

Band	Taxable income	Tax rate
Personal Allowance	Up to £12,570	0%
Basic rate	£12,571 to £50,270	20%
Higher rate	£50,271 to £125,140	40%
Additional rate	over £125,140	45%

How to solve problems involving tax

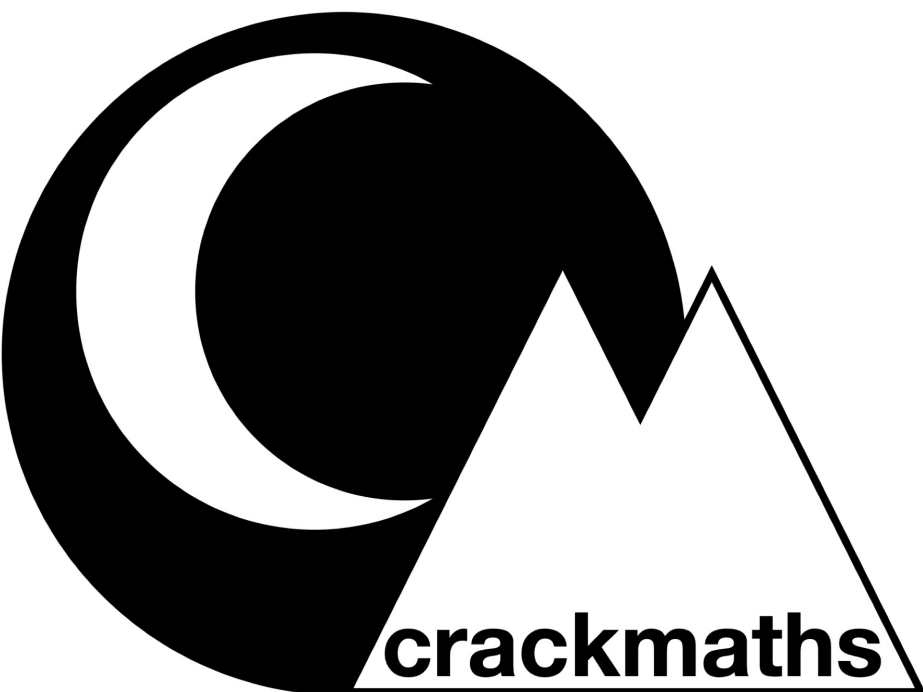


35. The table shows tax paid on annual income, how much tax would someone earning £32,000 a year pay?

A
£6400

Band	Taxable income	Tax rate
Personal Allowance	Up to £12,570	0%
Basic rate	£12,571 to £50,270	20%
Higher rate	£50,271 to £125,140	40%
Additional rate	over £125,140	45%

How to solve problems involving tax



35. The table shows tax paid on annual income, how much tax would someone earning £32,000 a year pay?

A

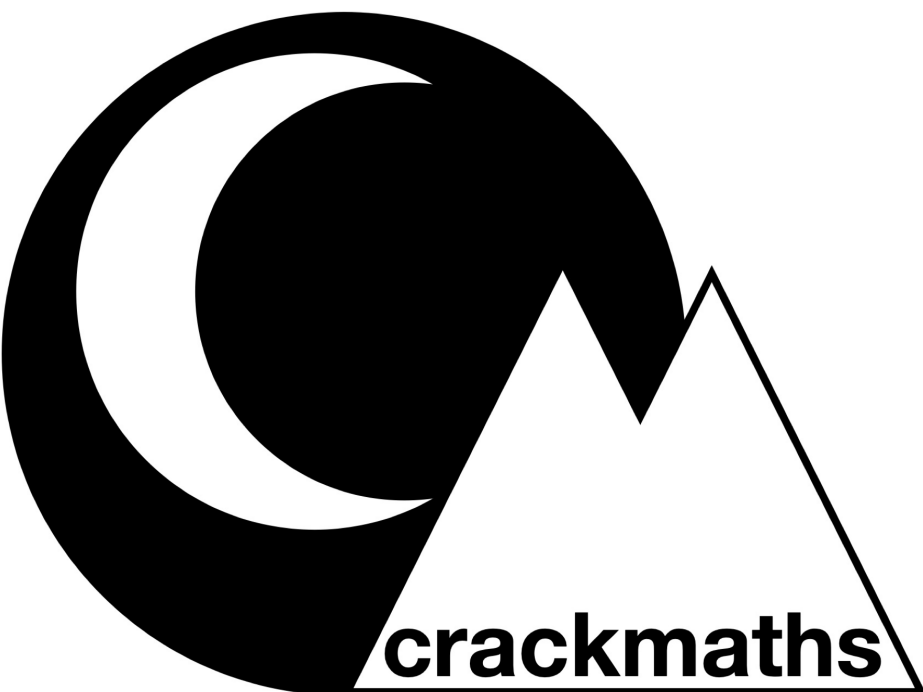
£6400

B

£3886

Band	Taxable income	Tax rate
Personal Allowance	Up to £12,570	0%
Basic rate	£12,571 to £50,270	20%
Higher rate	£50,271 to £125,140	40%
Additional rate	over £125,140	45%

How to solve problems involving tax



35. The table shows tax paid on annual income, how much tax would someone earning £32,000 a year pay?

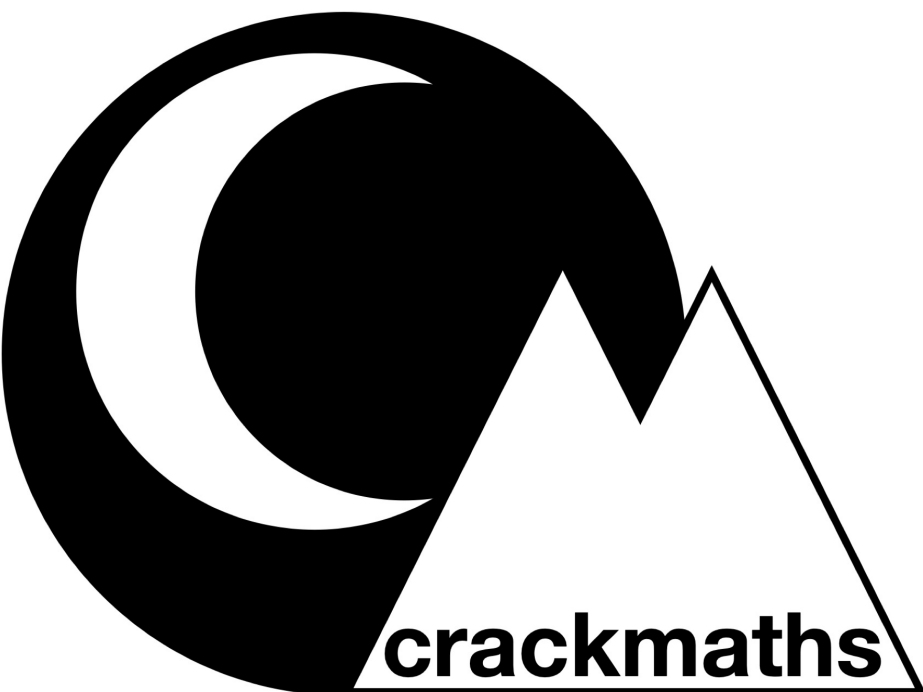
A
£6400

B
£3886

C
£10056

Band	Taxable income	Tax rate
Personal Allowance	Up to £12,570	0%
Basic rate	£12,571 to £50,270	20%
Higher rate	£50,271 to £125,140	40%
Additional rate	over £125,140	45%

How to solve problems involving tax



35. The table shows tax paid on annual income, how much tax would someone earning £32,000 a year pay?

A
£6400

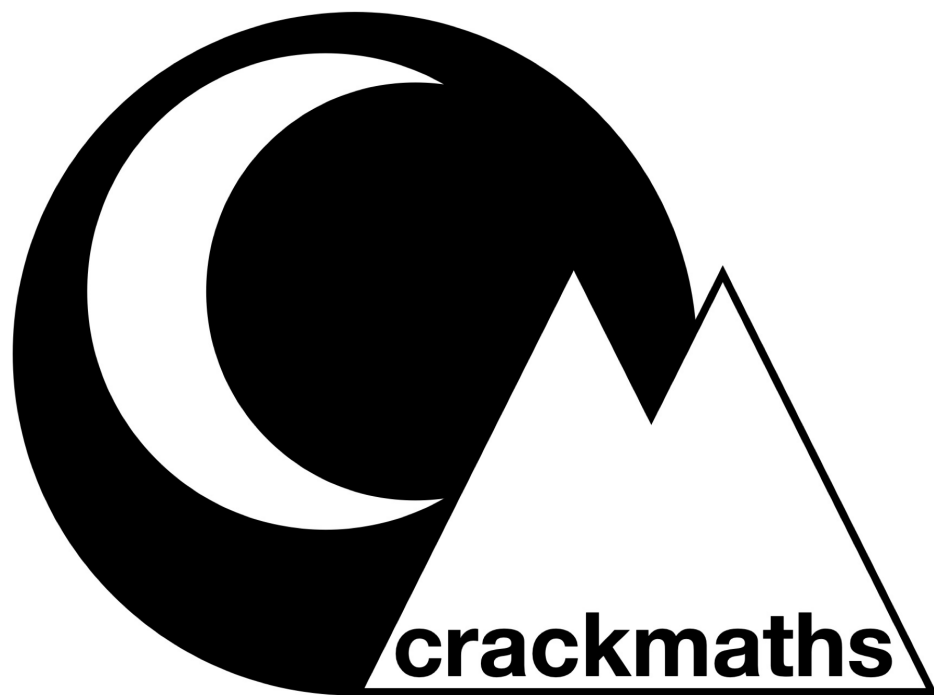
B
£3886

C
£10056

D
£2514

Band	Taxable income	Tax rate
Personal Allowance	Up to £12,570	0%
Basic rate	£12,571 to £50,270	20%
Higher rate	£50,271 to £125,140	40%
Additional rate	over £125,140	45%

How to solve problems involving tax



35. The table shows tax paid on annual income, how much tax would someone earning £32,000 a year pay?

<u>A</u> £6400
<u>C</u> £10056

<u>B</u> £3886
<u>D</u> £2514

Band	Taxable income	Tax rate
Personal Allowance	Up to £12,570	0%
Basic rate	£12,571 to £50,270	20%
Higher rate	£50,271 to £125,140	40%
Additional rate	over £125,140	45%

How to convert between metric and imperial units of length



36. If 5 miles = 8km, how many km is 1 mile?

How to convert between metric and imperial units of length



36. If 5 miles = 8km, how many km is 1 mile?

A
0.625km

How to convert between metric and imperial units of length



36. If 5 miles = 8km, how many km is 1 mile?

A
0.625km

B
1.6km

How to convert between metric and imperial units of length



36. If 5 miles = 8km, how many km is 1 mile?

A
0.625km

B
1.6km

C
2km

How to convert between metric and imperial units of length



36. If 5 miles = 8km, how many km is 1 mile?

A
0.625km

B
1.6km

C
2km

D
1.2km

How to convert between metric and imperial units of length



36. If 5 miles = 8km, how many km is 1 mile?

A
0.625km

C
2km

B
1.6km

D
1.2km

How to convert between metric and imperial units of volume



37. If 1 gallon is 4.5 litres, how many gallons is 10 litres?

How to convert between metric and imperial units of volume



37. If 1 gallon is 4.5 litres, how many gallons is 10 litres?

**A
45 gallons**

How to convert between metric and imperial units of volume



37. If 1 gallon is 4.5 litres, how many gallons is 10 litres?

A
45 gallons

B
9 gallons

How to convert between metric and imperial units of volume



37. If 1 gallon is 4.5 litres, how many gallons is 10 litres?

A
45 gallons

B
9 gallons

C
2.2 gallons

How to convert between metric and imperial units of volume



37. If 1 gallon is 4.5 litres, how many gallons is 10 litres?

A
45 gallons

B
9 gallons

C
2.2 gallons

D
0.45 gallons

How to convert between metric and imperial units of volume



37. If 1 gallon is 4.5 litres, how many gallons is 10 litres?

A
45 gallons

B
9 gallons

C
2.2 gallons

D
0.45 gallons

How to convert between metric and imperial units of weight



38. If 2.2 pounds = 1 kg, how many kg is 20 pounds?

How to convert between metric and imperial units of weight



38. If 2.2 pounds = 1 kg, how many kg is 20 pounds?

A
9kg

How to convert between metric and imperial units of weight



38. If 2.2 pounds = 1 kg, how many kg is 20 pounds?

A
9kg

B
10kg

How to convert between metric and imperial units of weight



38. If 2.2 pounds = 1 kg, how many kg is 20 pounds?

A
9kg

B
10kg

C
8kg

How to convert between metric and imperial units of weight



38. If 2.2 pounds = 1 kg, how many kg is 20 pounds?

A
9kg

B
10kg

C
8kg

D
7kg

How to convert between metric and imperial units of weight



38. If 2.2 pounds = 1 kg, how many kg is 20 pounds?

A
9kg

B
10kg

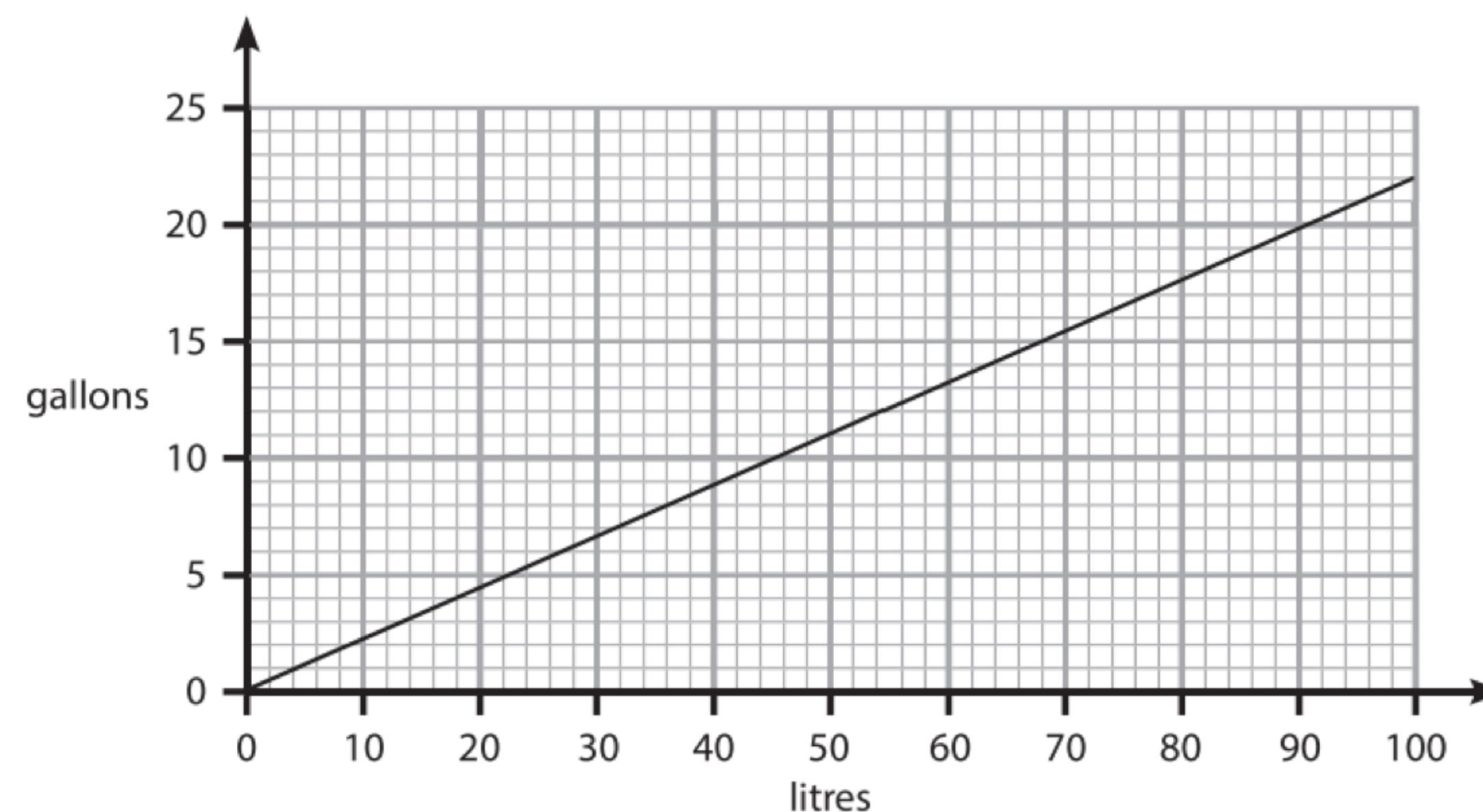
C
8kg

D
7kg

How to use a conversion graph



39. Use the graph to identify the correct conversion

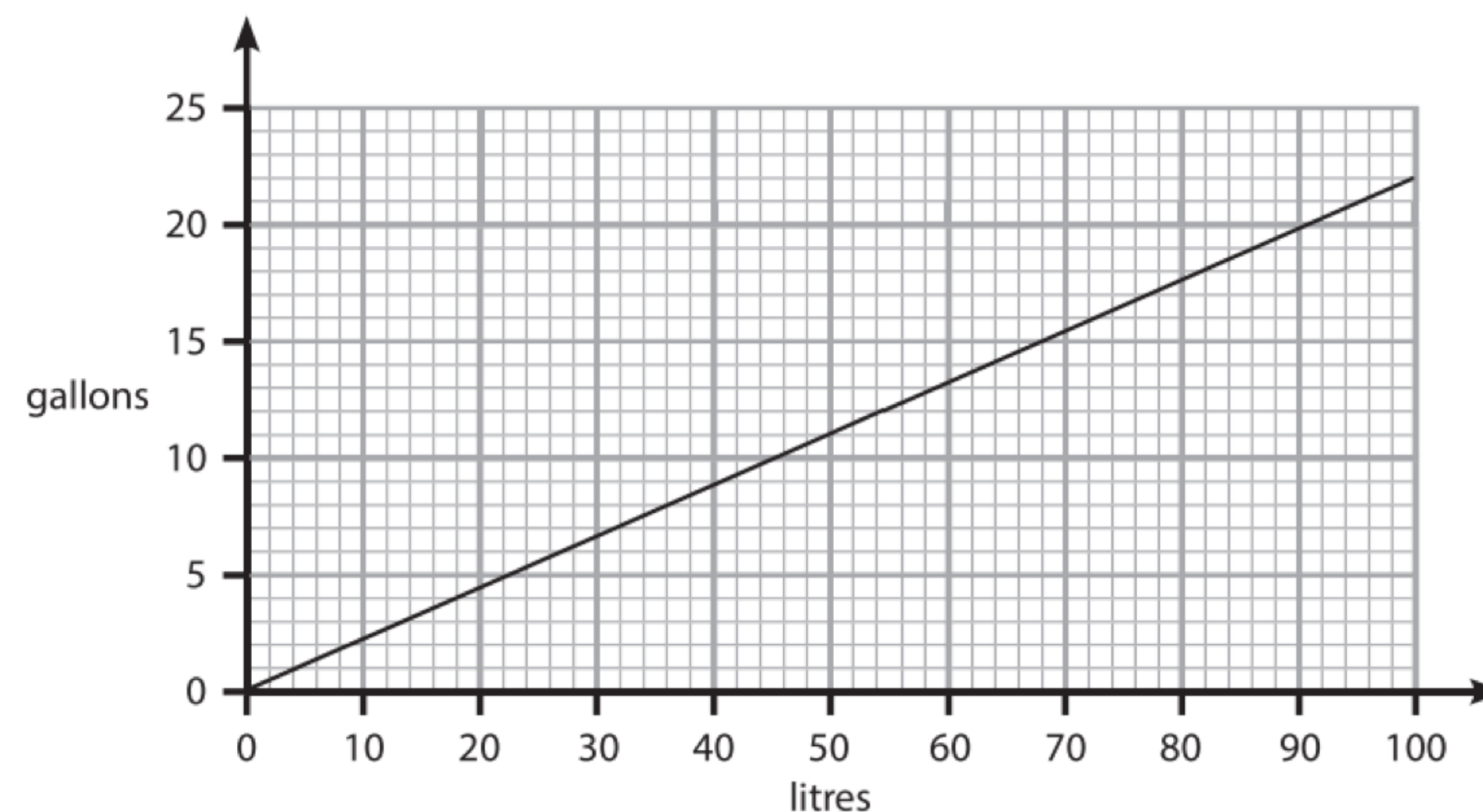


How to use a conversion graph



39. Use the graph to identify the correct conversion

A
10g = 42L



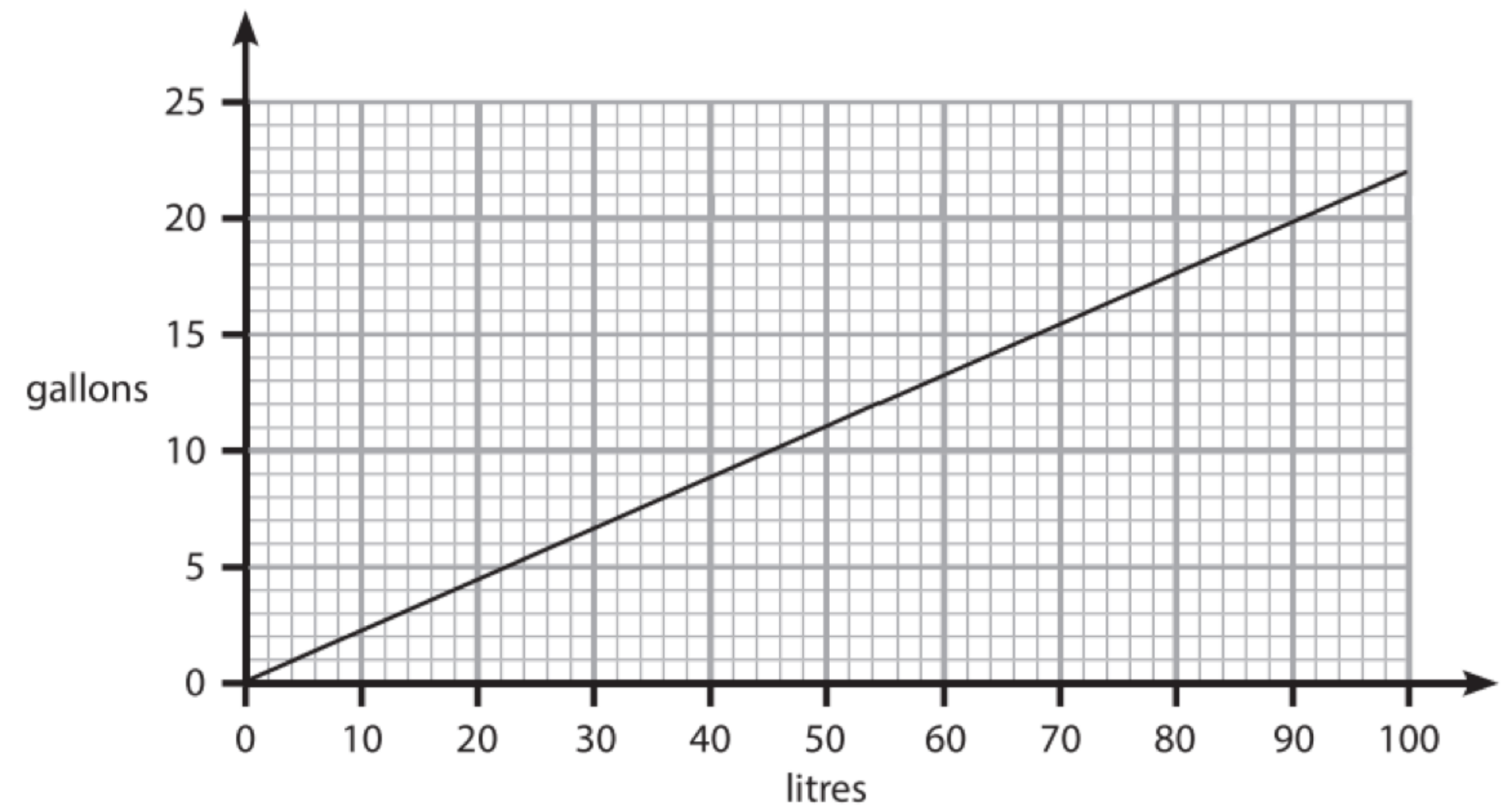
How to use a conversion graph



39. Use the graph to identify the correct conversion

A
10g = 42L

B
11g = 50L



How to use a conversion graph

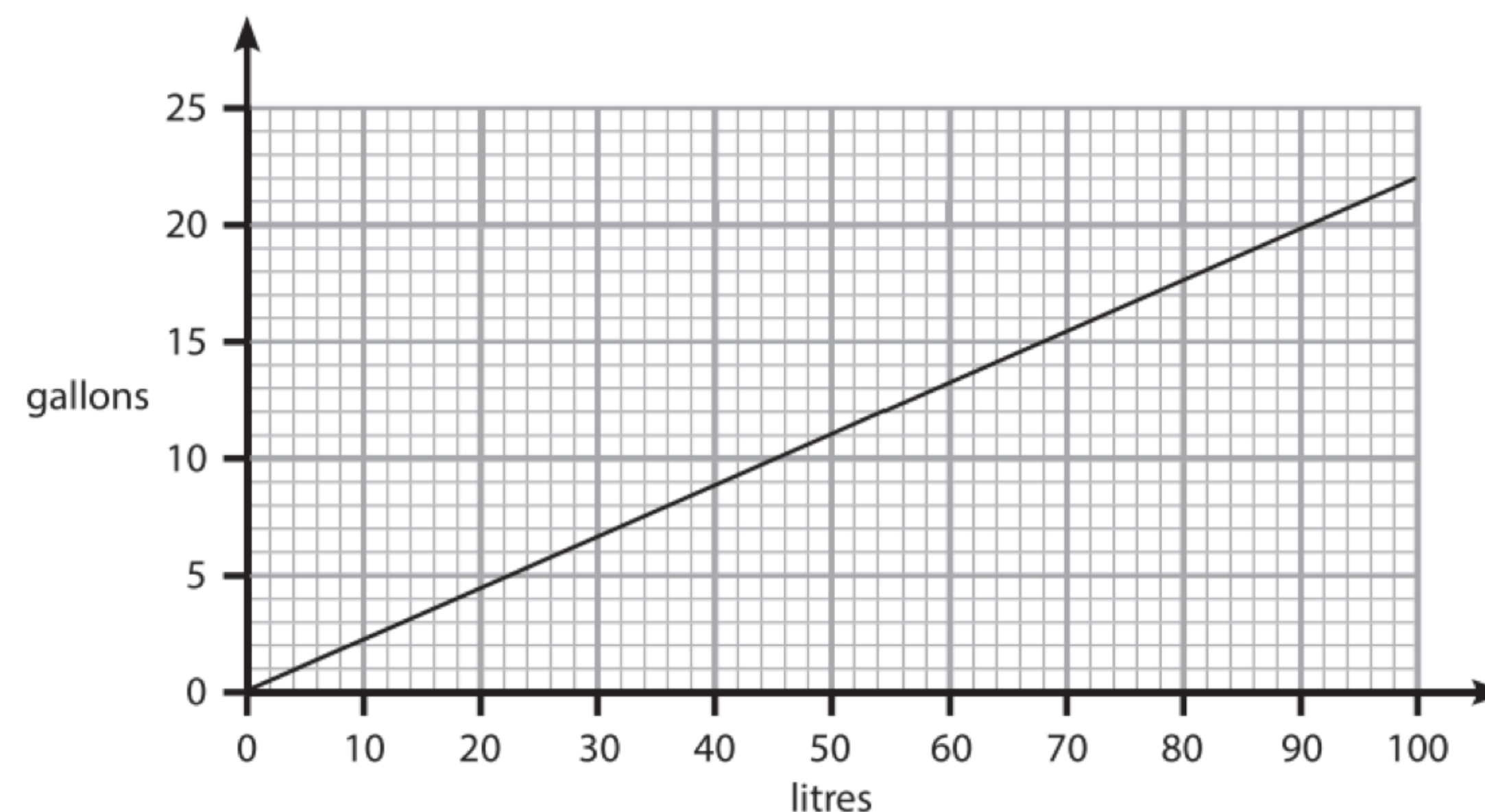


39. Use the graph to identify the correct conversion

A
 $10\text{g} = 42\text{L}$

B
 $11\text{g} = 50\text{L}$

C
 $5\text{g} = 10\text{L}$



How to use a conversion graph



39. Use the graph to identify the correct conversion

A

$$10\text{g} = 42\text{L}$$

B

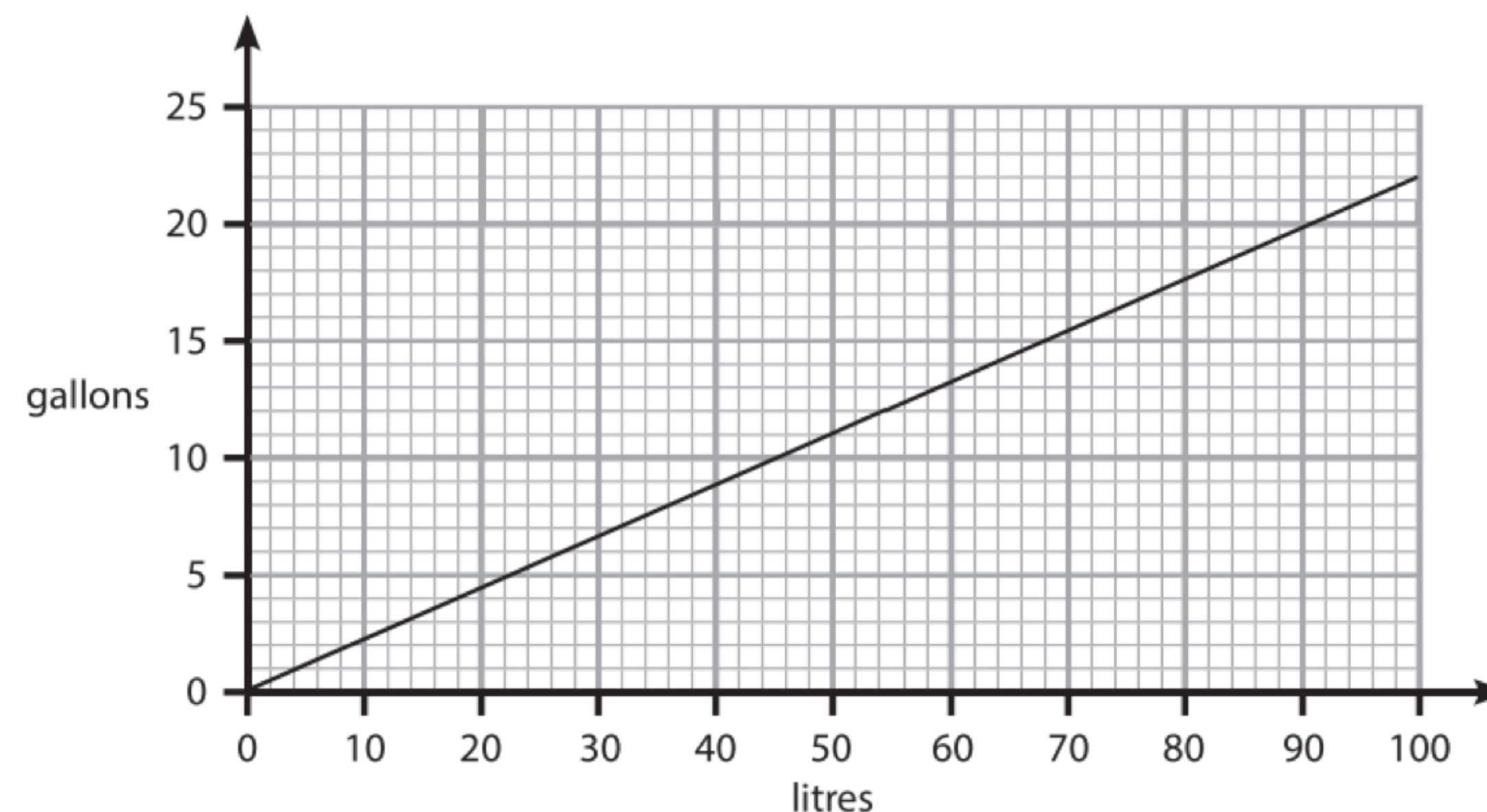
$$11\text{g} = 50\text{L}$$

C

$$5\text{g} = 10\text{L}$$

D

$$15\text{g} = 69\text{L}$$



How to use a conversion graph



39. Use the graph to identify the correct conversion

A

$$10\text{g} = 42\text{L}$$

B

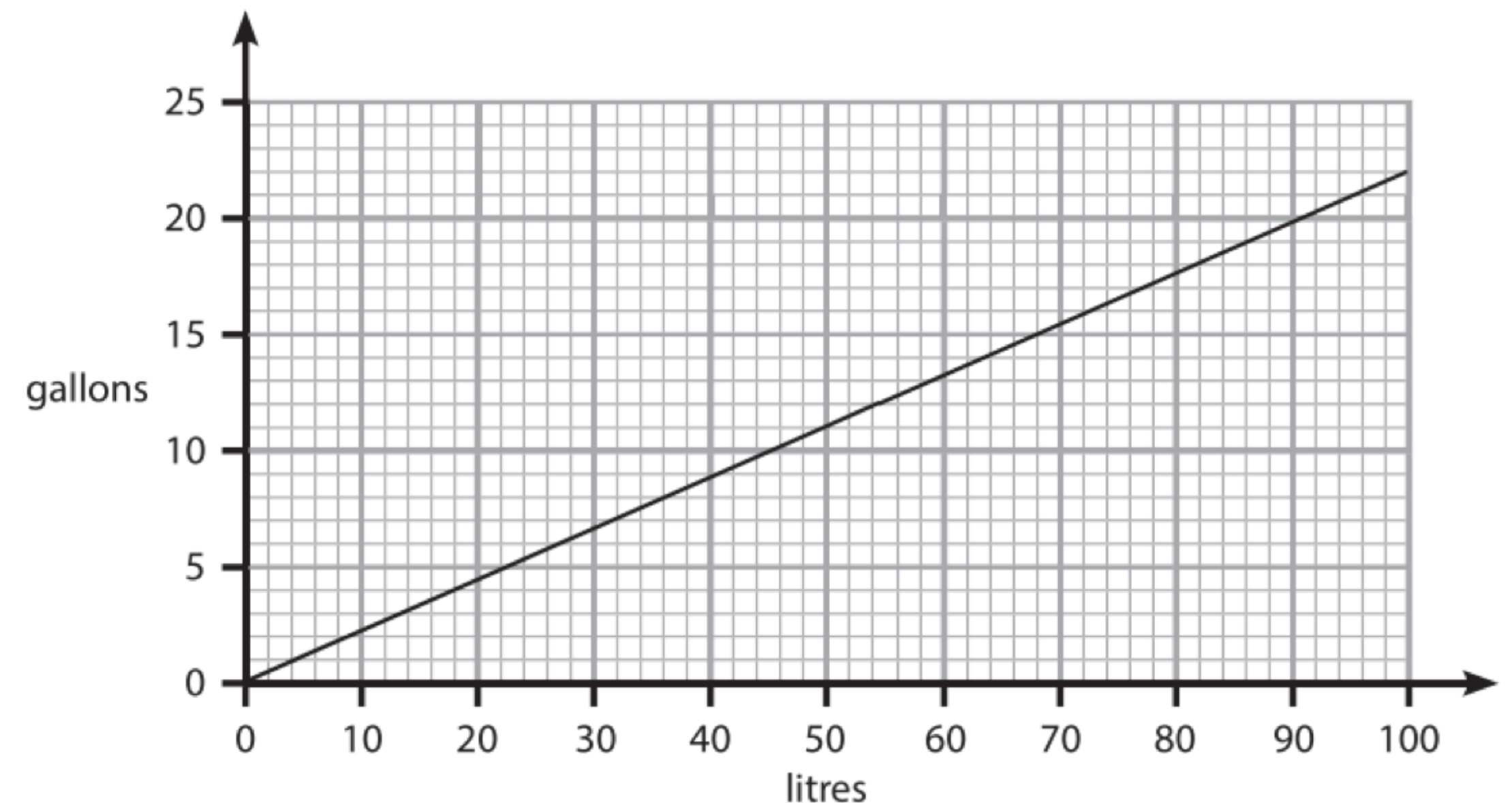
$$11\text{g} = 50\text{L}$$

C

$$5\text{g} = 10\text{L}$$

D

$$15\text{g} = 69\text{L}$$



How to calculate speed, distance and time



40. If some one travels 5 miles in 20 minutes what is their speed?

How to calculate speed, distance and time



40. If some one travels 5 miles in 20 minutes what is their speed?

**A
15 miles per hour**

How to calculate speed, distance and time



40. If some one travels 5 miles in 20 minutes what is their speed?

A

15 miles per hour

B

4 miles per hour

How to calculate speed, distance and time



40. If some one travels 5 miles in 20 minutes what is their speed?

A

15 miles per hour

B

4 miles per hour

C

80 miles per hour

How to calculate speed, distance and time



40. If some one travels 5 miles in 20 minutes what is their speed?

A

15 miles per hour

B

4 miles per hour

C

80 miles per hour

D

0.25 miles per hour

How to calculate speed, distance and time



40. If some one travels 5 miles in 20 minutes what is their speed?

A

15 miles per hour

B

4 miles per hour

C

80 miles per hour

D

0.25 miles per hour

How to work with rates of pay



41. If someone earns £8.50 an hour and works 37.5 hours a week, 52 weeks a year. What is their annual salary?

How to work with rates of pay



41. If someone earns £8.50 an hour and works 37.5 hours a week, 52 weeks a year. What is their annual salary?

A
£442

How to work with rates of pay

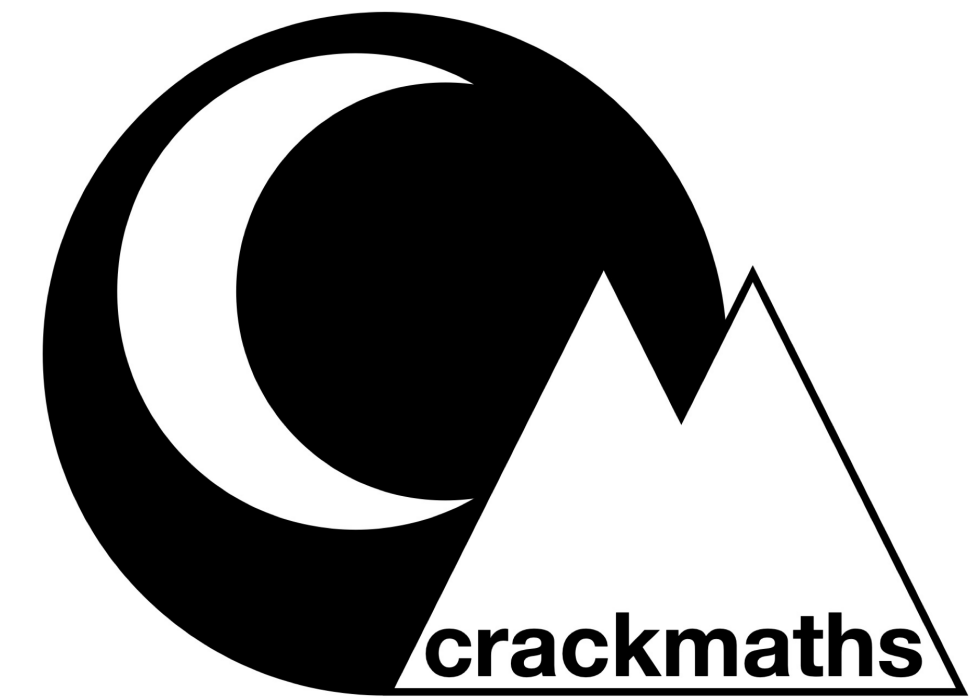


41. If someone earns £8.50 an hour and works 37.5 hours a week, 52 weeks a year. What is their annual salary?

A
£442

B
£16,575

How to work with rates of pay



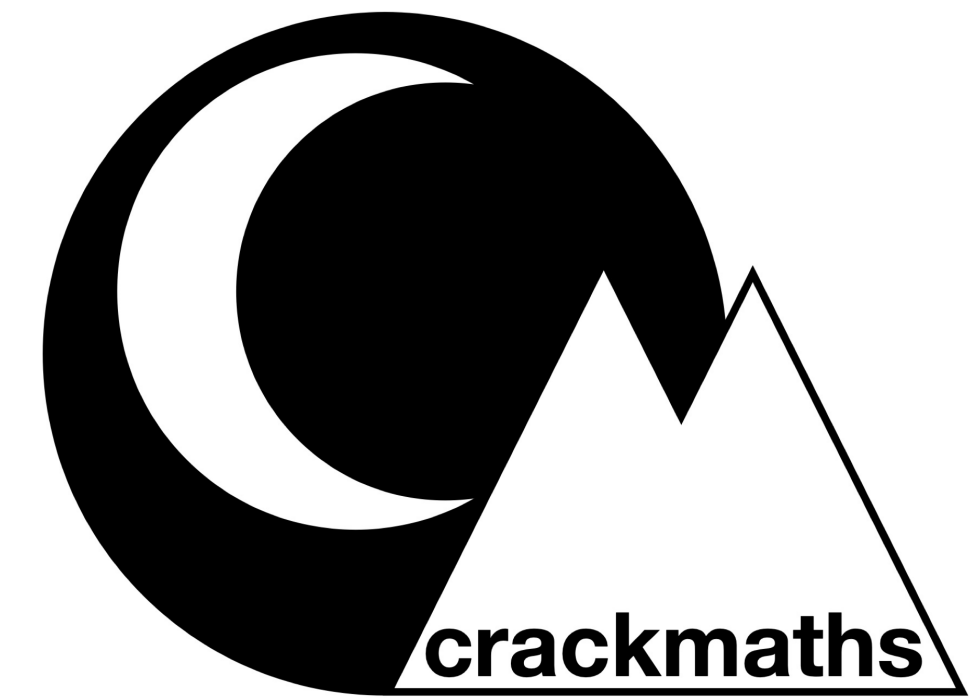
41. If someone earns £8.50 an hour and works 37.5 hours a week, 52 weeks a year. What is their annual salary?

A
£442

B
£16,575

C
£16,354

How to work with rates of pay



41. If someone earns £8.50 an hour and works 37.5 hours a week, 52 weeks a year. What is their annual salary?

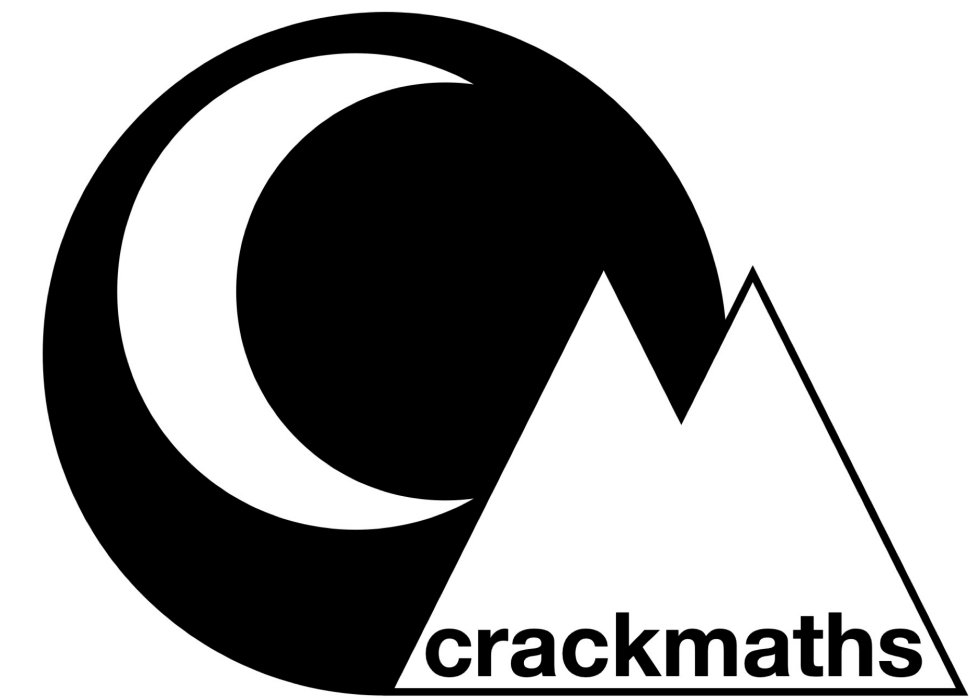
A
£442

B
£16,575

C
£16,354

D
£15,392

How to work with rates of pay



41. If someone earns £8.50 an hour and works 37.5 hours a week, 52 weeks a year. What is their annual salary?

A
£442

C
£16,354

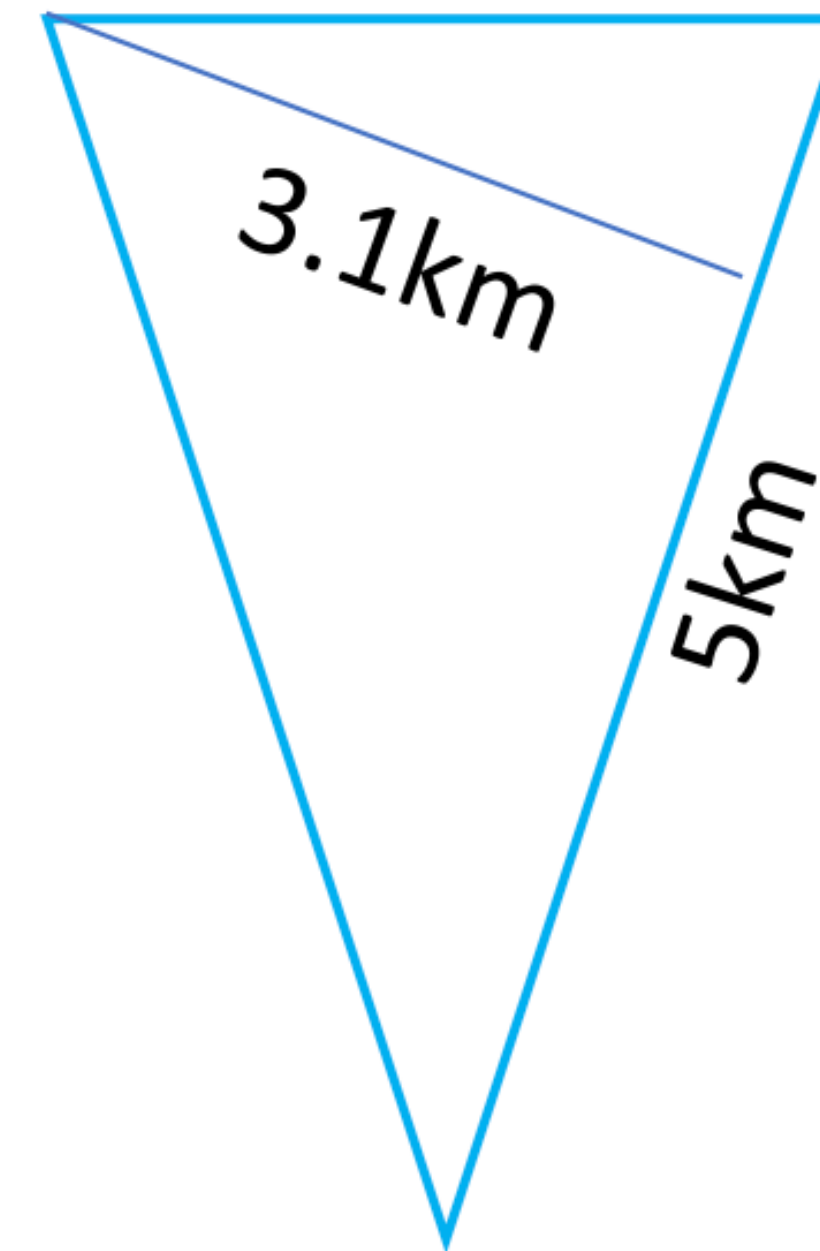
B
£16,575

D
£15,392

How to calculate the area of a triangle



42. What is the area of the triangle below?

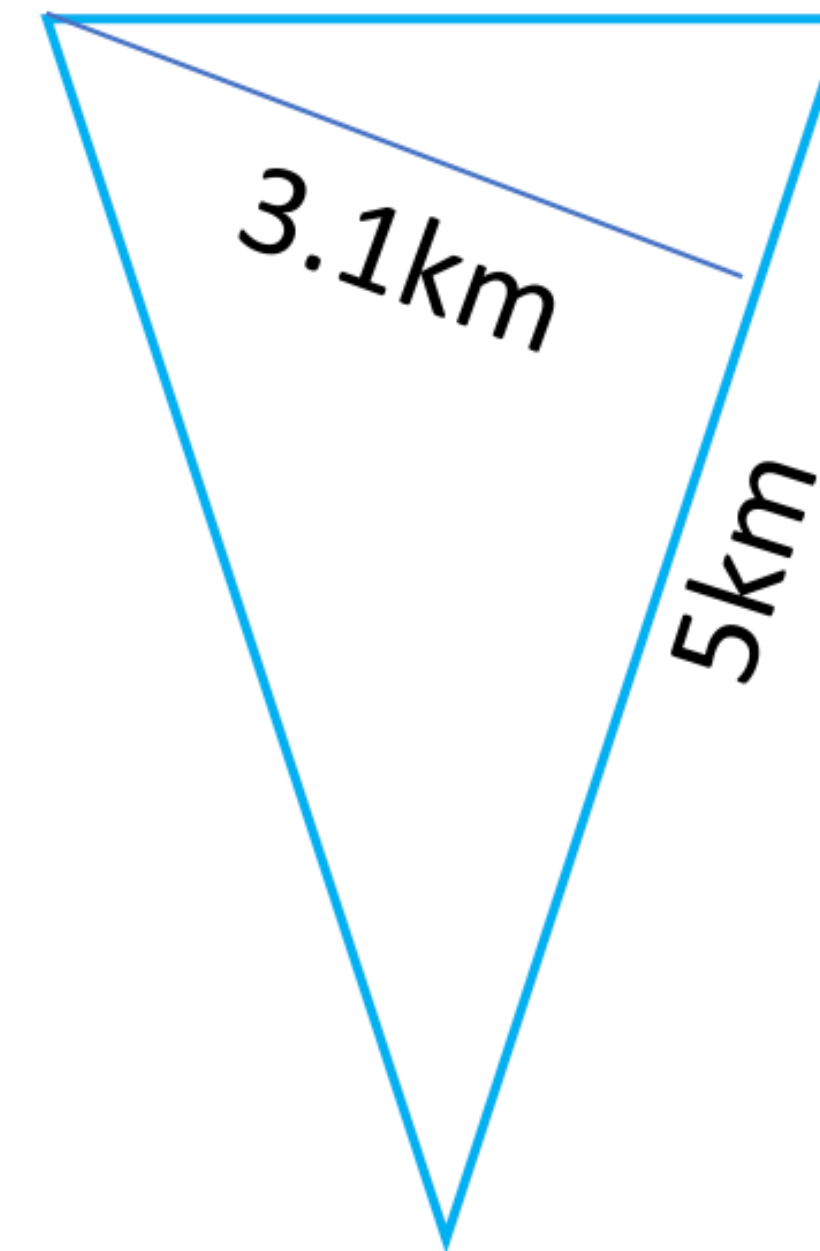


How to calculate the area of a triangle



42. What is the area of the triangle below?

A
 15.5km^2



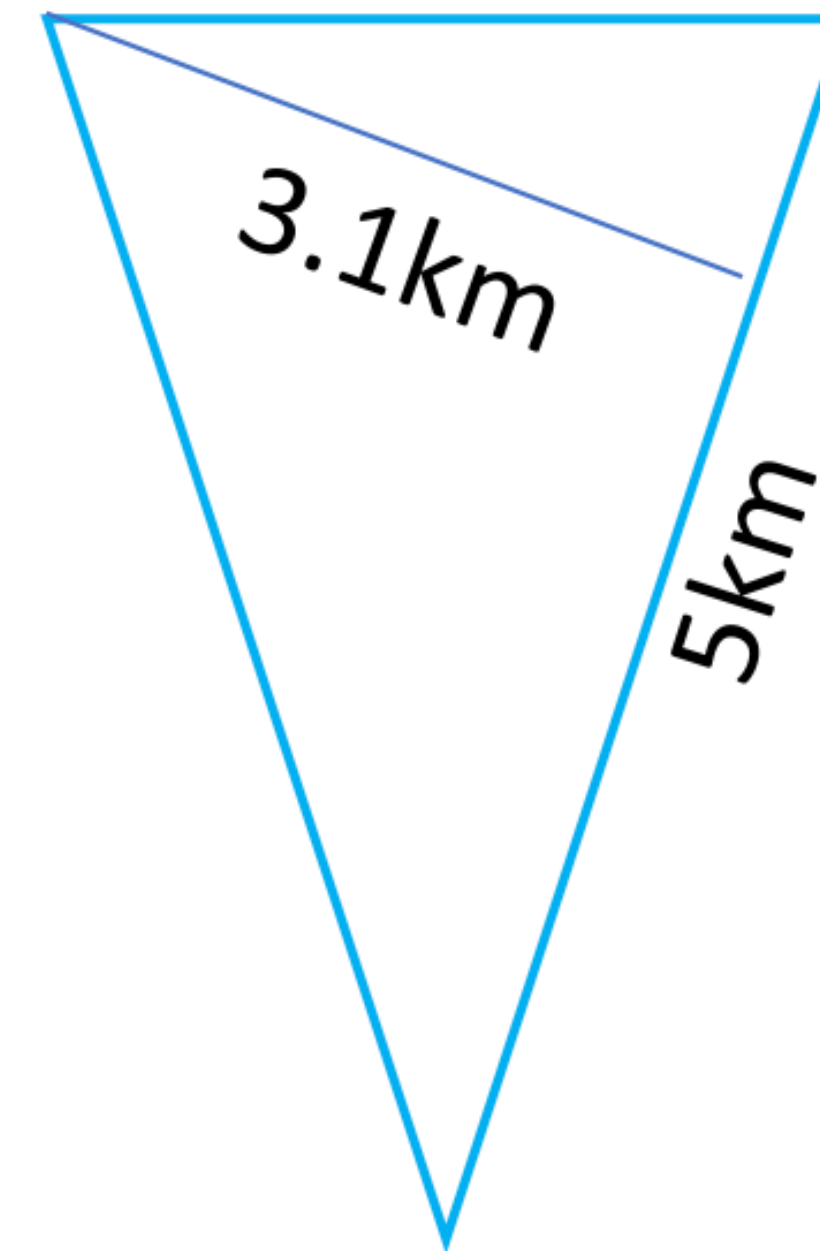
How to calculate the area of a triangle



42. What is the area of the triangle below?

A
 15.5km^2

B
 7.25km^2



How to calculate the area of a triangle

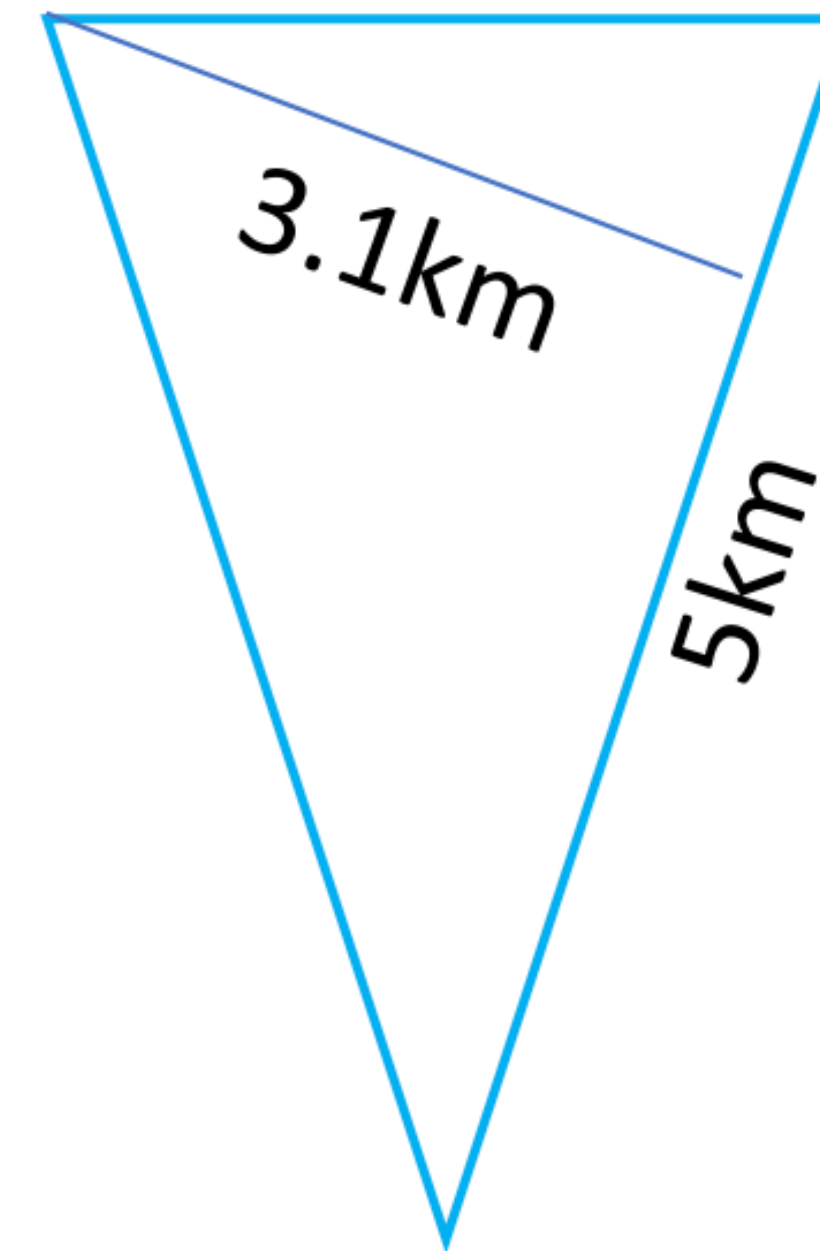


42. What is the area of the triangle below?

A
 15.5km^2

B
 7.25km^2

C
 7.75km^2



How to calculate the area of a triangle



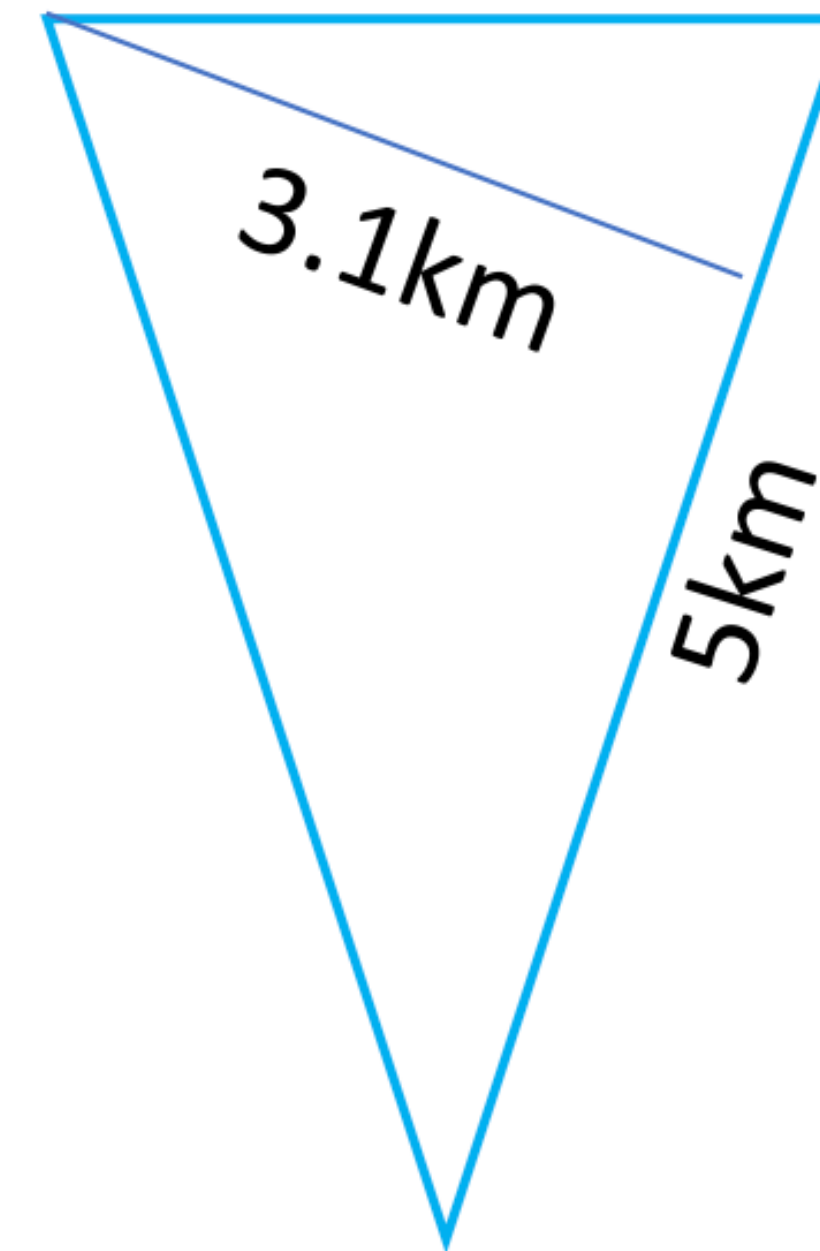
42. What is the area of the triangle below?

A
 15.5km^2

B
 7.25km^2

C
 7.75km^2

D
 8.1km^2



How to calculate the area of a triangle



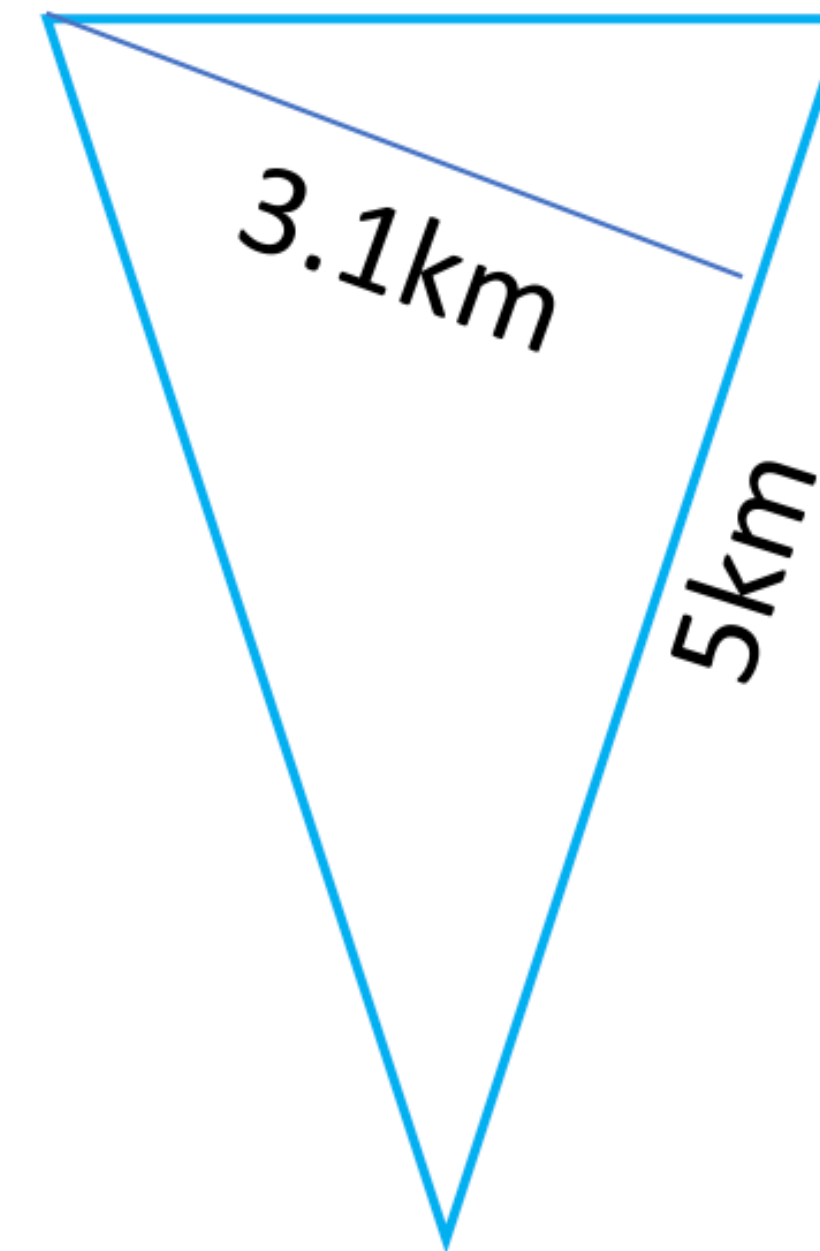
42. What is the area of the triangle below?

A
 15.5km^2

B
 7.25km^2

C
 7.75km^2

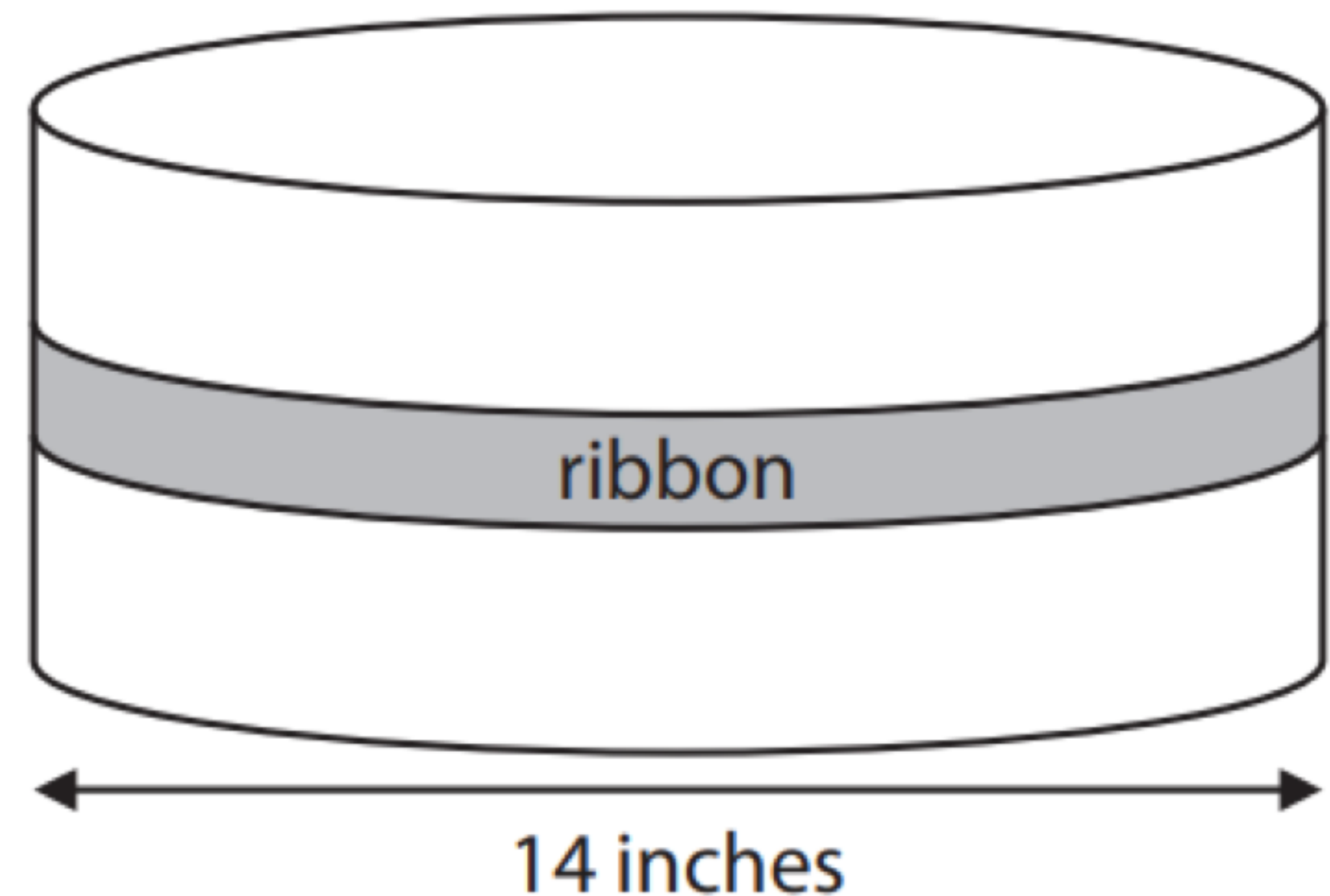
D
 8.1km^2



How to calculate the circumference of a circle



43. How long would the ribbon need to be to wrap around the cake?

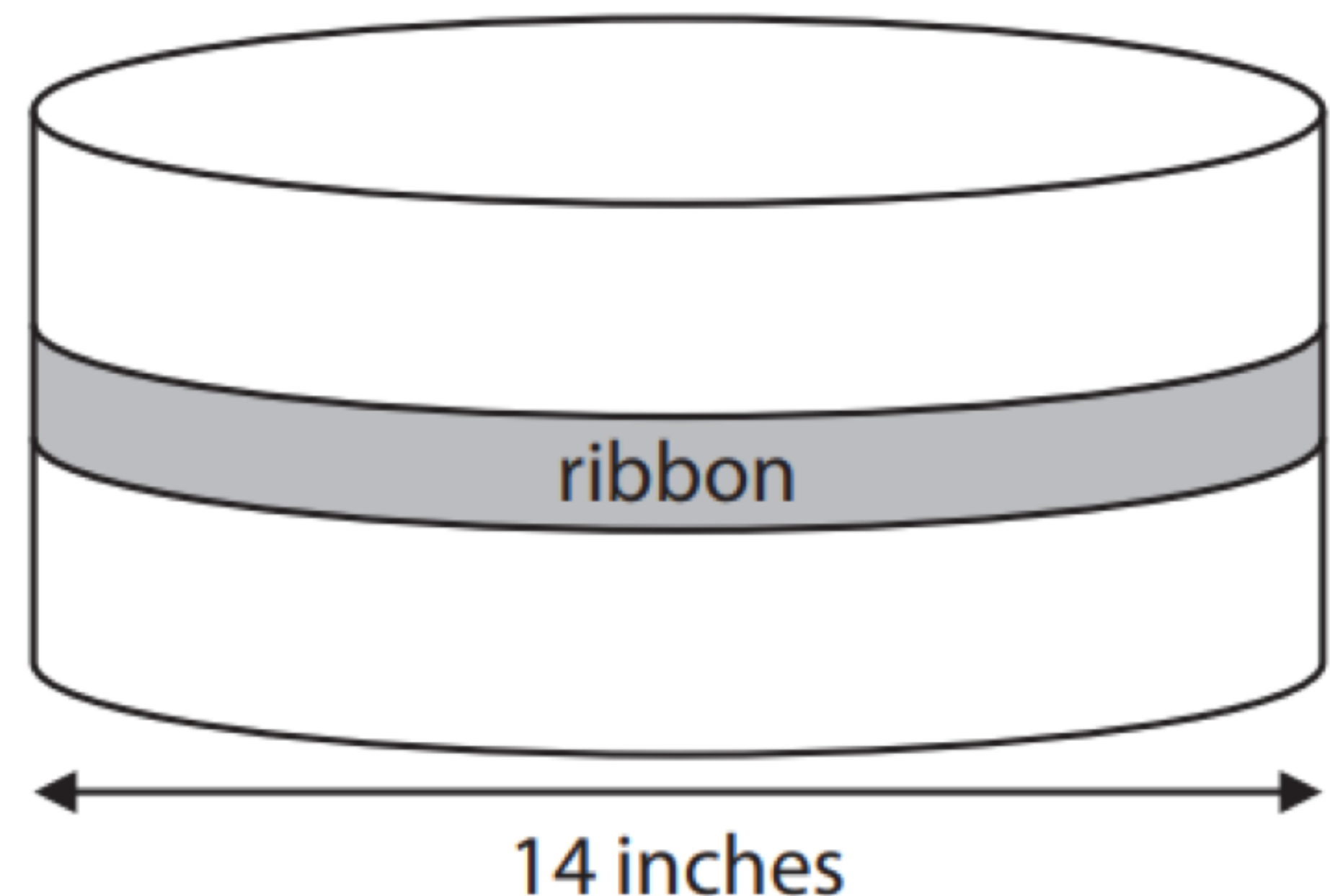


How to calculate the circumference of a circle



43. How long would the ribbon need to be to wrap around the cake?

A
28 inches



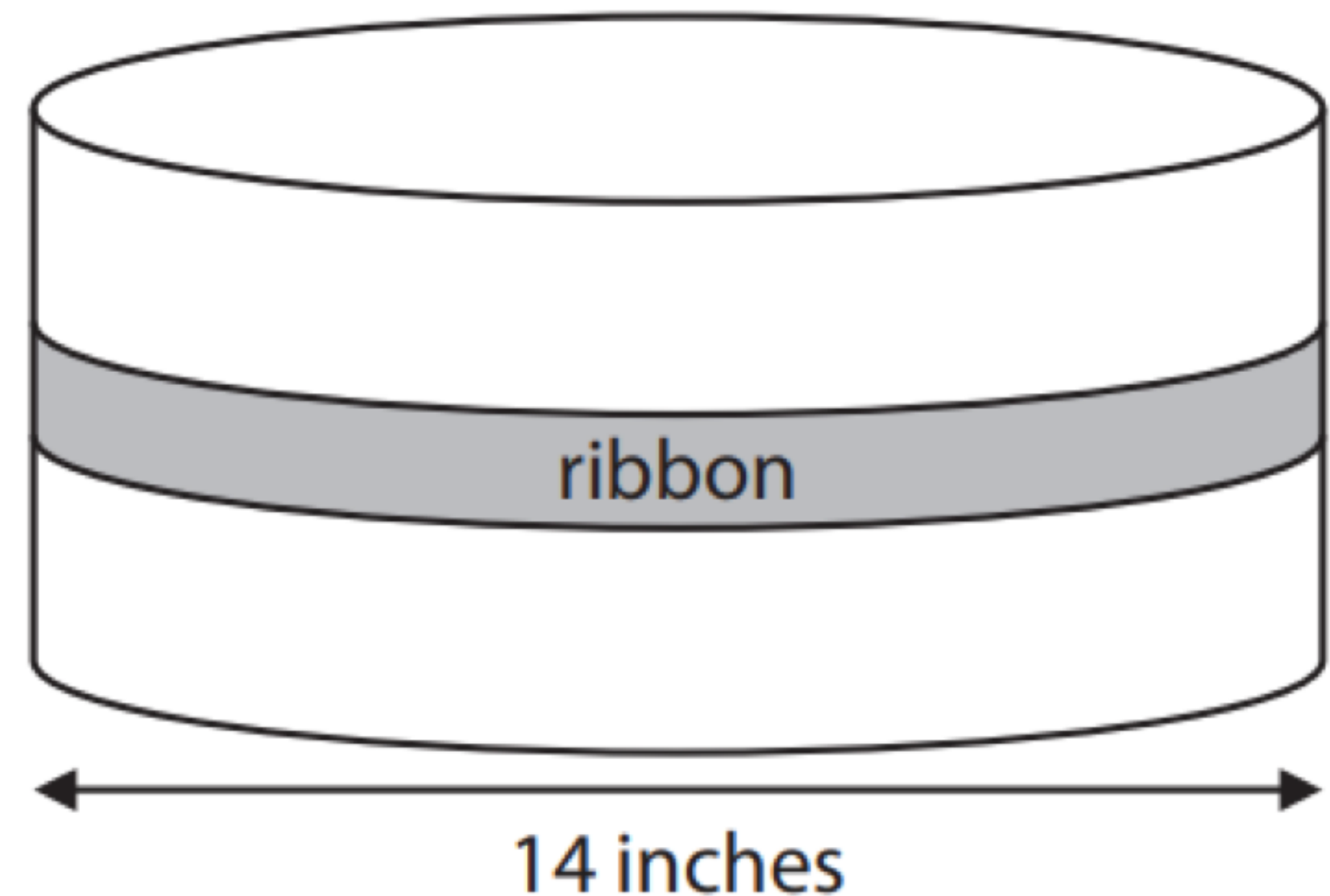
How to calculate the circumference of a circle



43. How long would the ribbon need to be to wrap around the cake?

A
28 inches

B
14 inches



How to calculate the circumference of a circle



43. How long would the ribbon need to be to wrap around the cake?

A

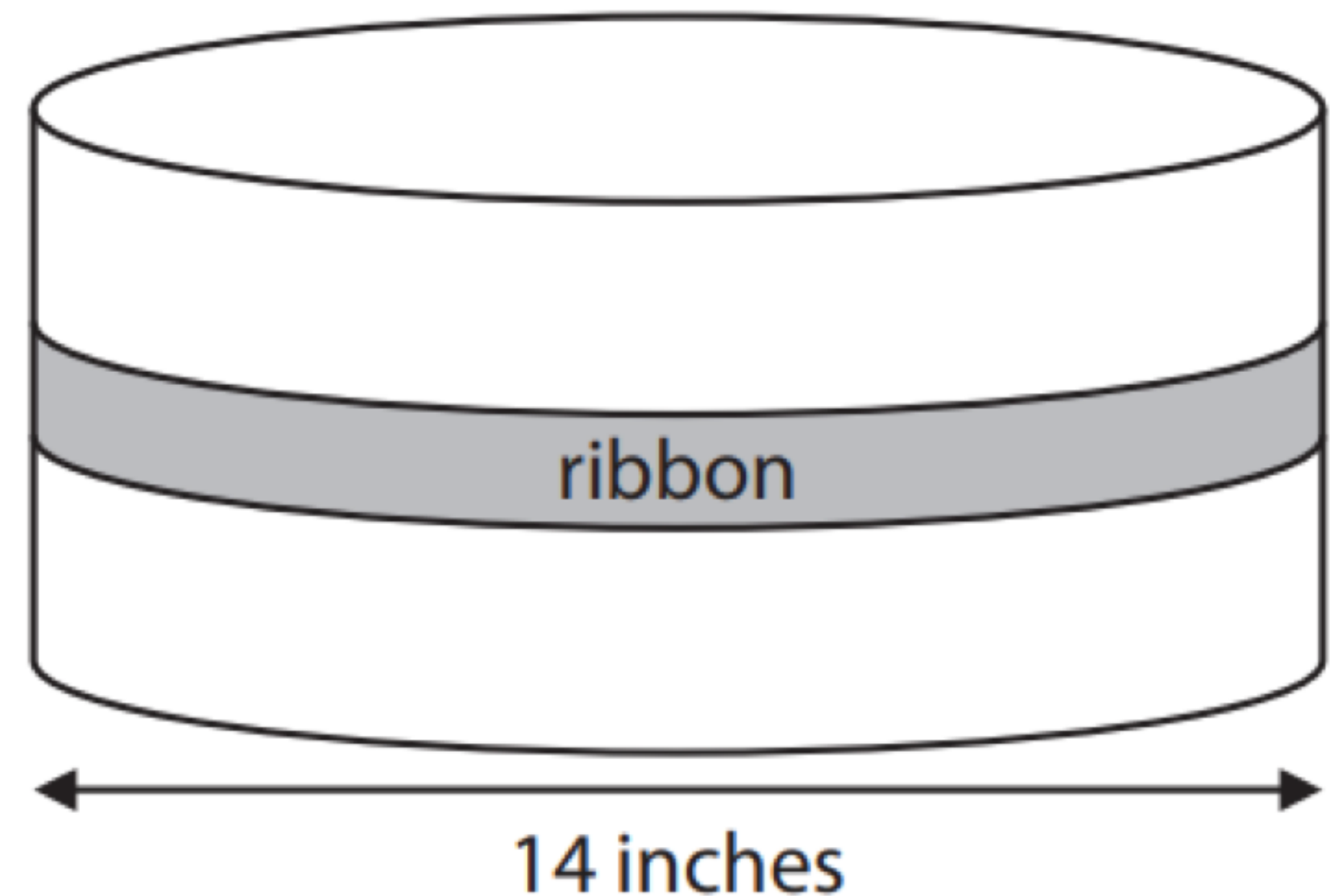
28 inches

B

14 inches

C

21.98 inches



How to calculate the circumference of a circle



43. How long would the ribbon need to be to wrap around the cake?

A

28 inches

B

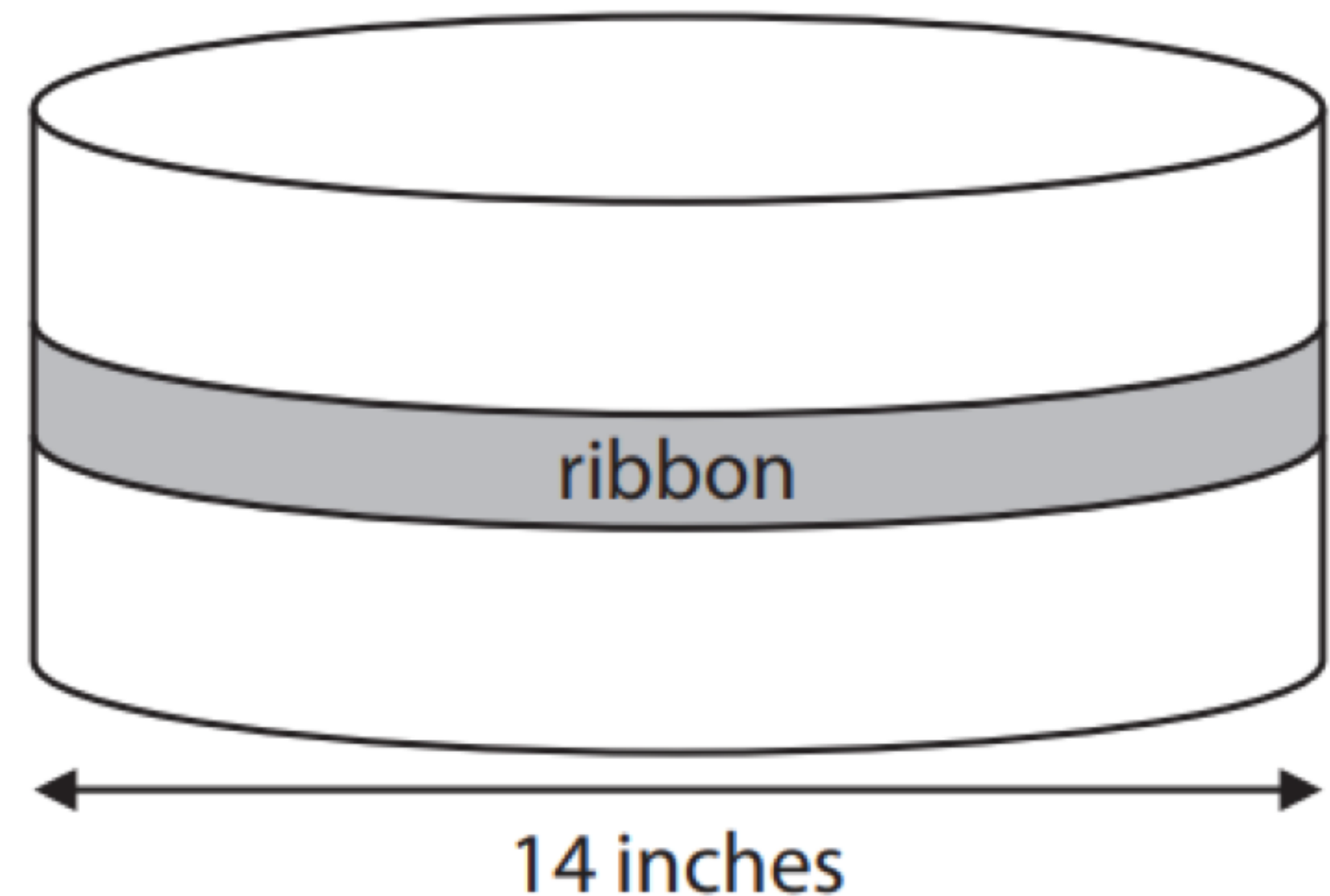
14 inches

C

21.98 inches

D

43.96 inches



How to calculate the circumference of a circle



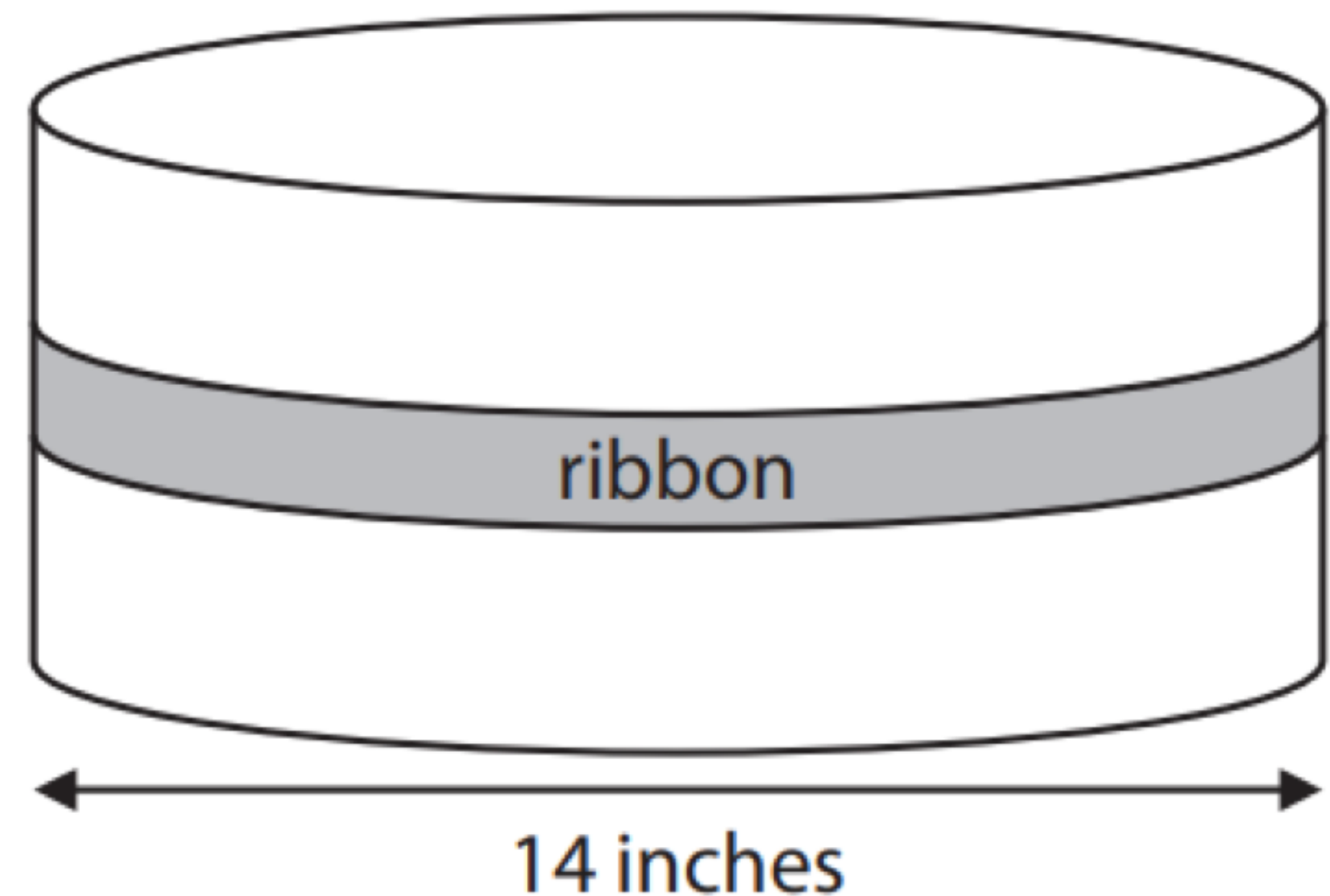
43. How long would the ribbon need to be to wrap around the cake?

A
28 inches

B
14 inches

C
21.98 inches

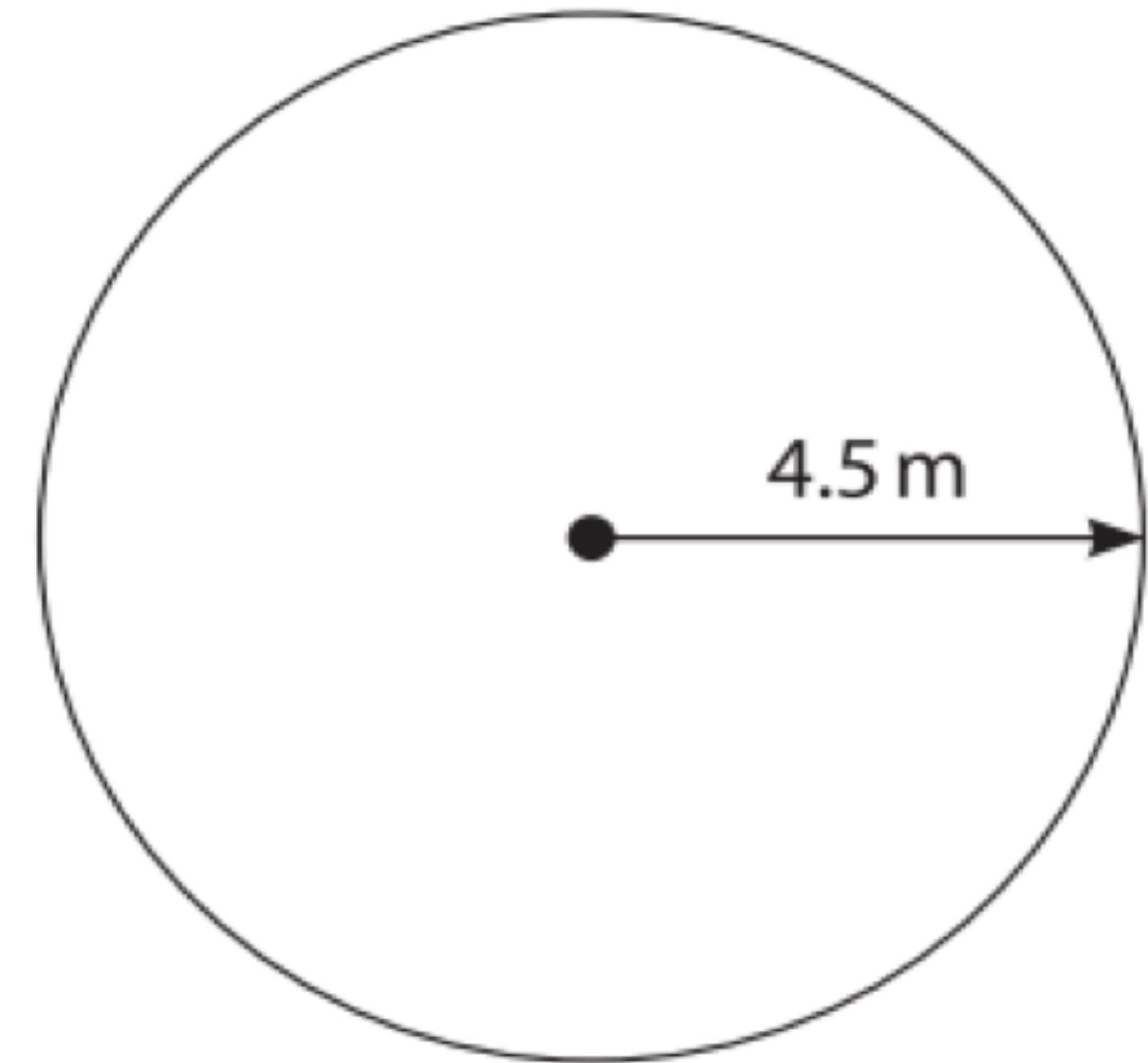
D
43.96 inches



How to calculate the area of a circle



44. What is the area of this circle?

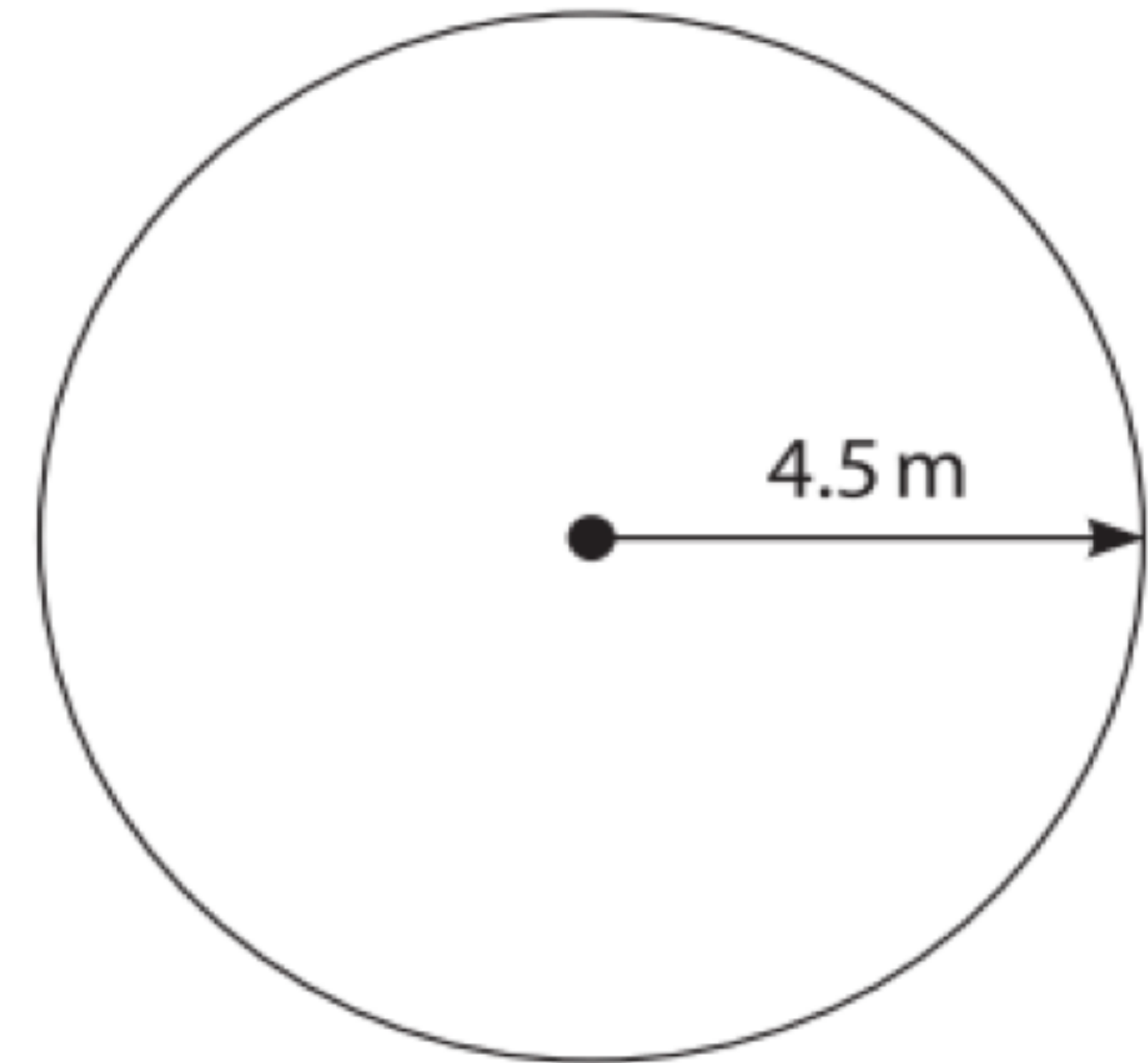


How to calculate the area of a circle



44. What is the area of this circle?

A
 14.13m^2



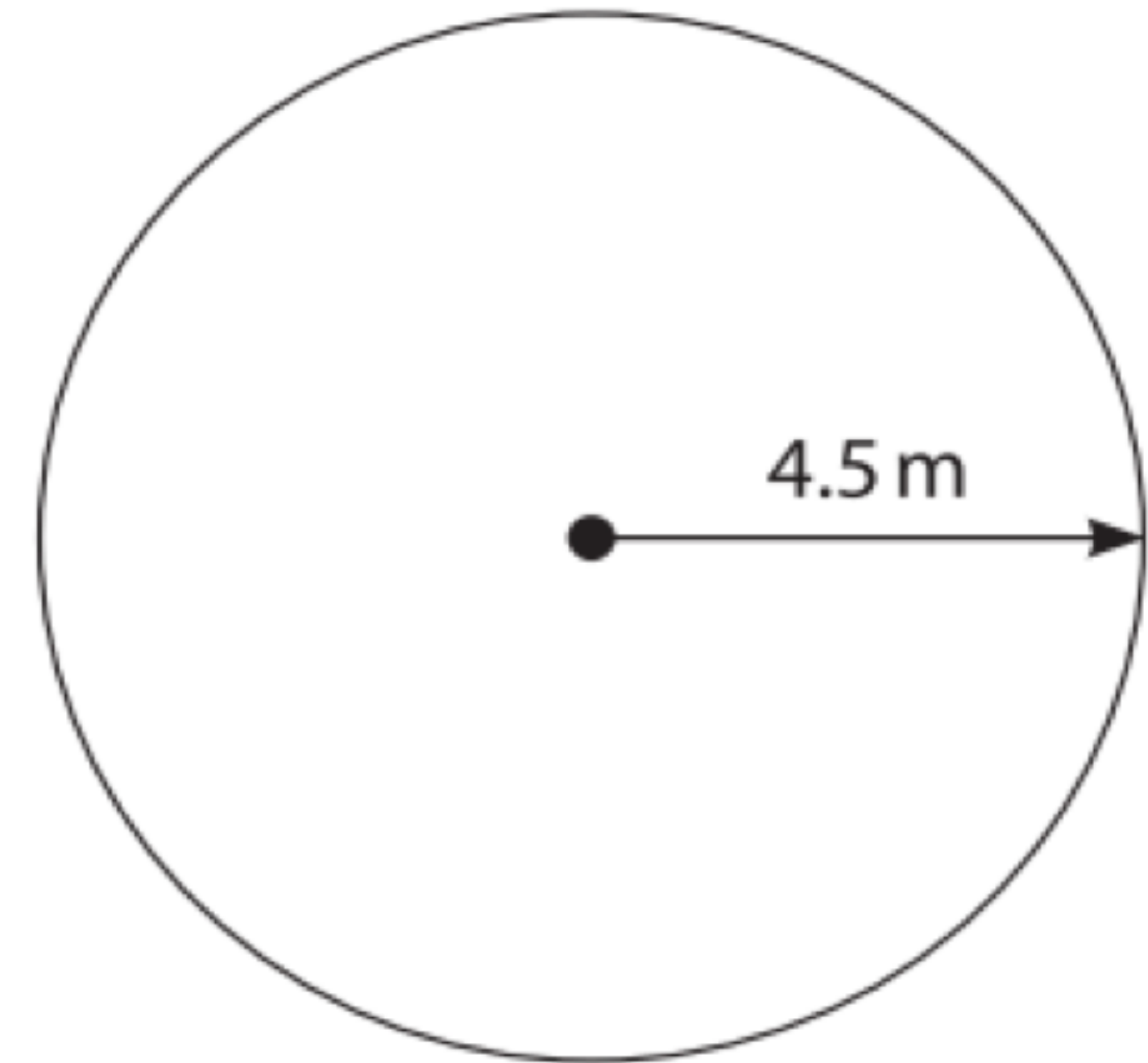
How to calculate the area of a circle



44. What is the area of this circle?

A
14.13m²

B
63.59m²



How to calculate the area of a circle



44. What is the area of this circle?

A

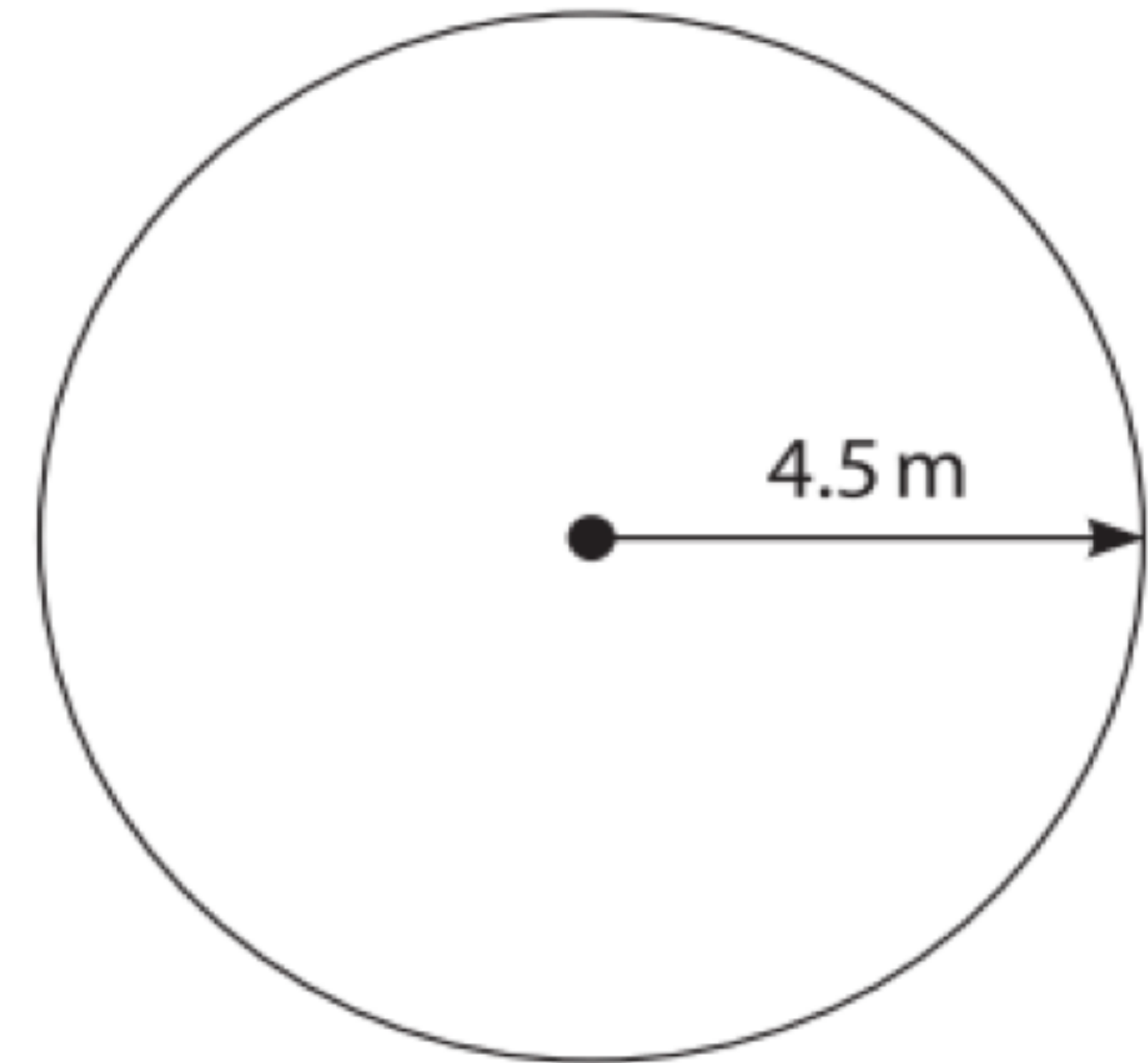
14.13m²

B

63.59m²

C

28.26m²



How to calculate the area of a circle



44. What is the area of this circle?

A

14.13m^2

B

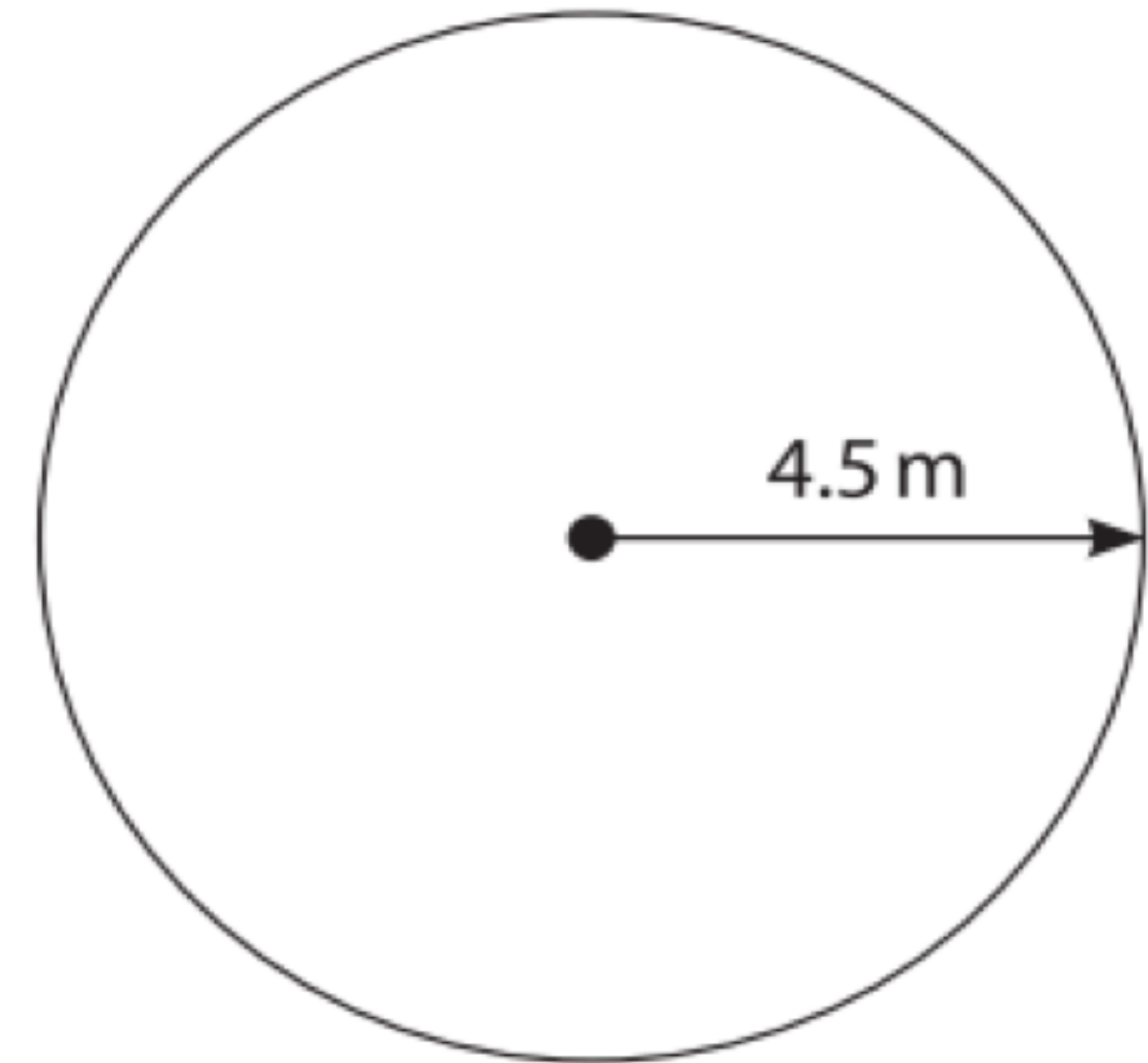
63.59m^2

C

28.26m^2

D

20.25m^2



How to calculate the area of a circle



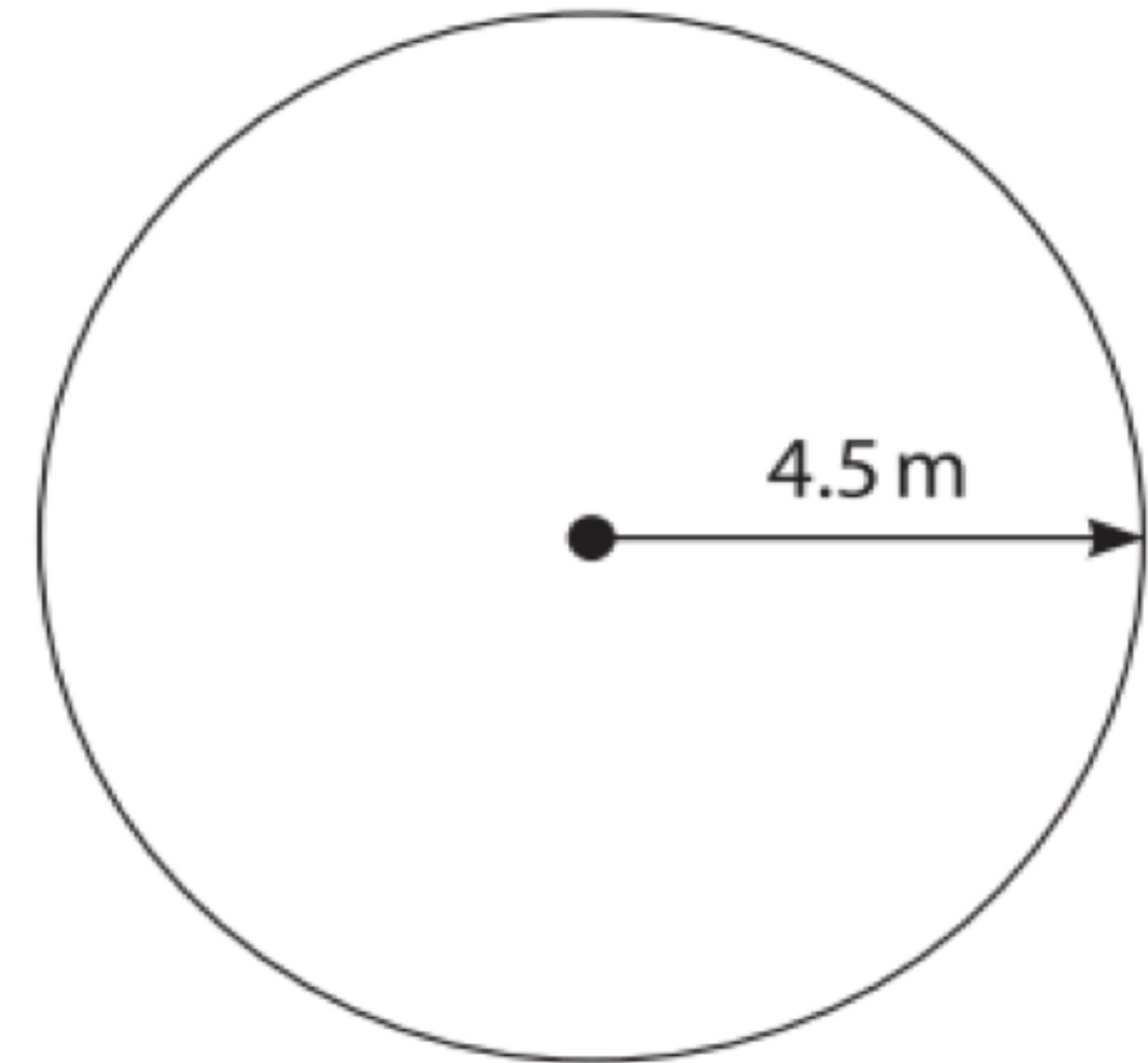
44. What is the area of this circle?

A
 14.13m^2

B
 63.59m^2

C
 28.26m^2

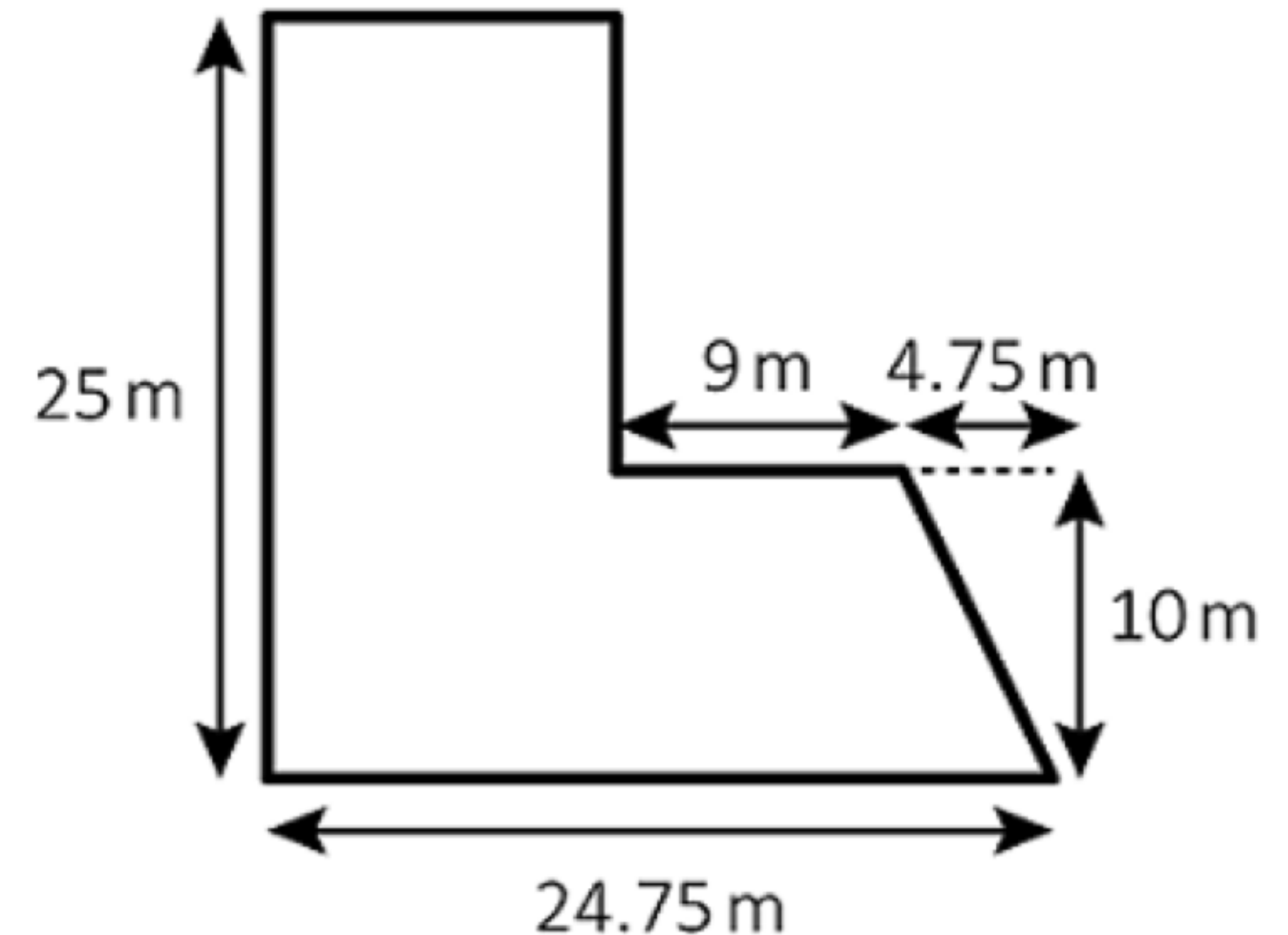
D
 20.25m^2



How to calculate the area of compound shapes



45. What is the area of this shape?



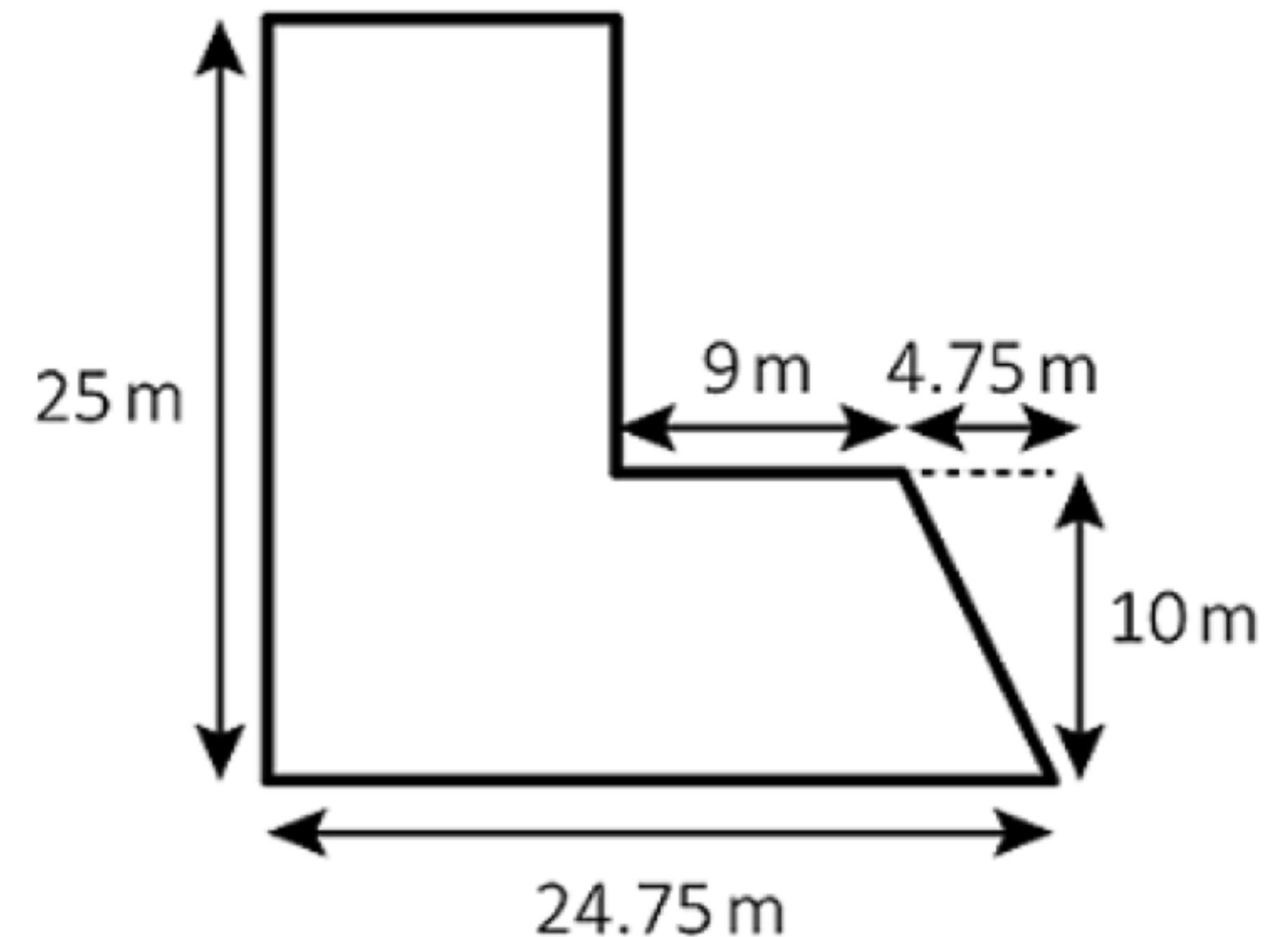
How to calculate the area of compound shapes



45. What is the area of this shape?

A
618.75m²

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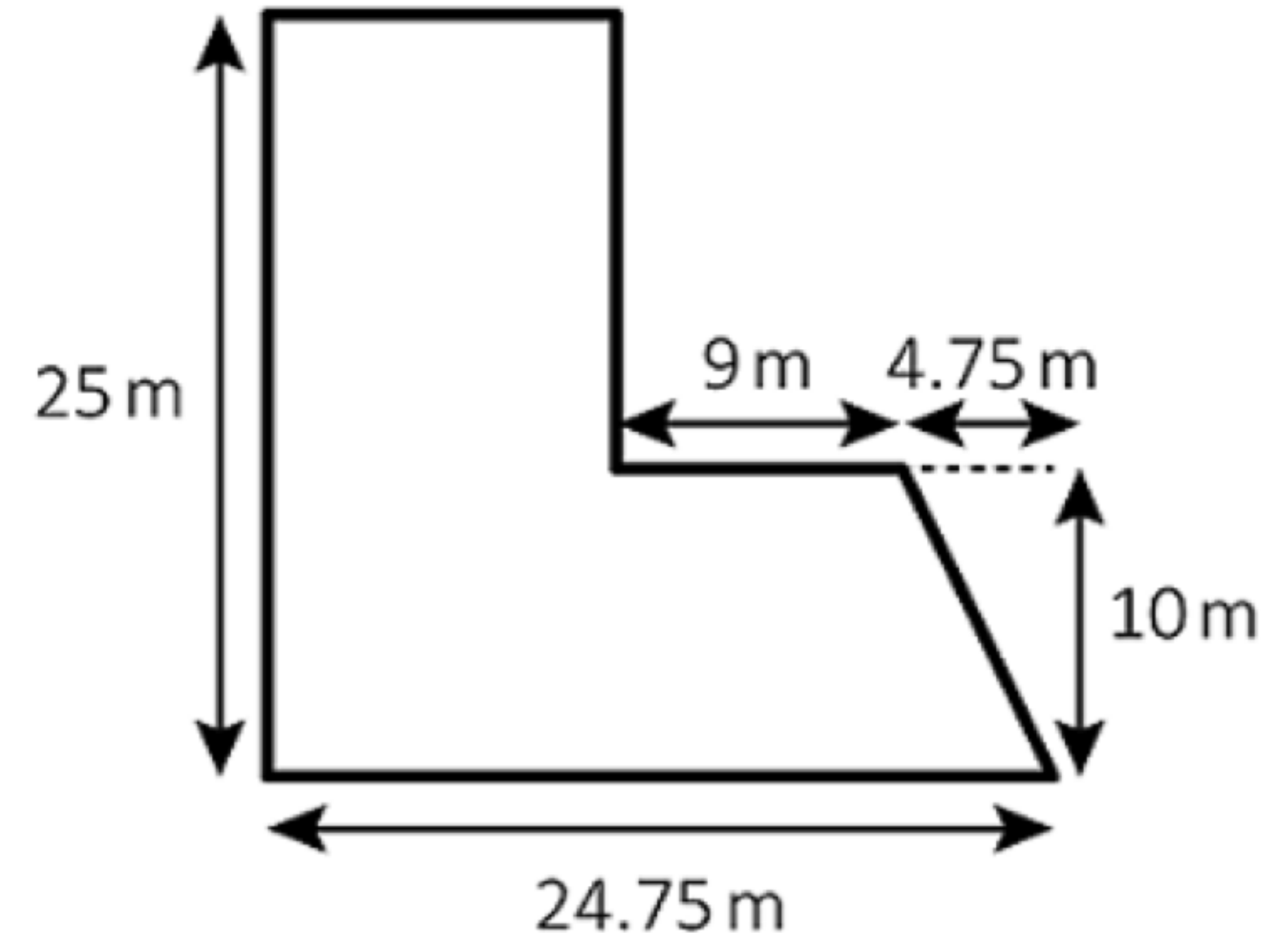
How to calculate the area of compound shapes



45. What is the area of this shape?

A
618.75m²

B
412.5m²



How to calculate the area of compound shapes



45. What is the area of this shape?

A

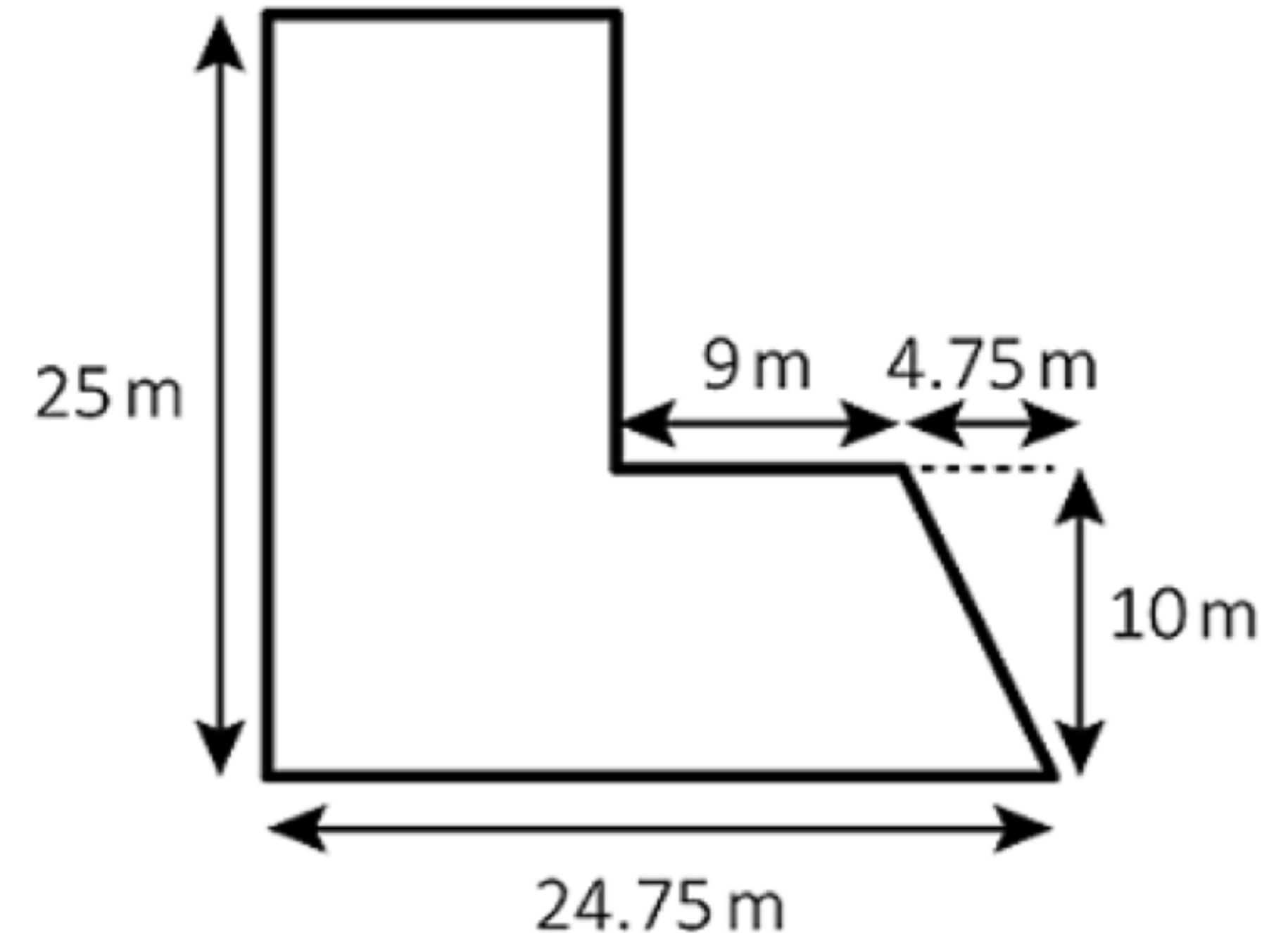
618.75m^2

B

412.5m^2

C

641.25m^2



How to calculate the area of compound shapes



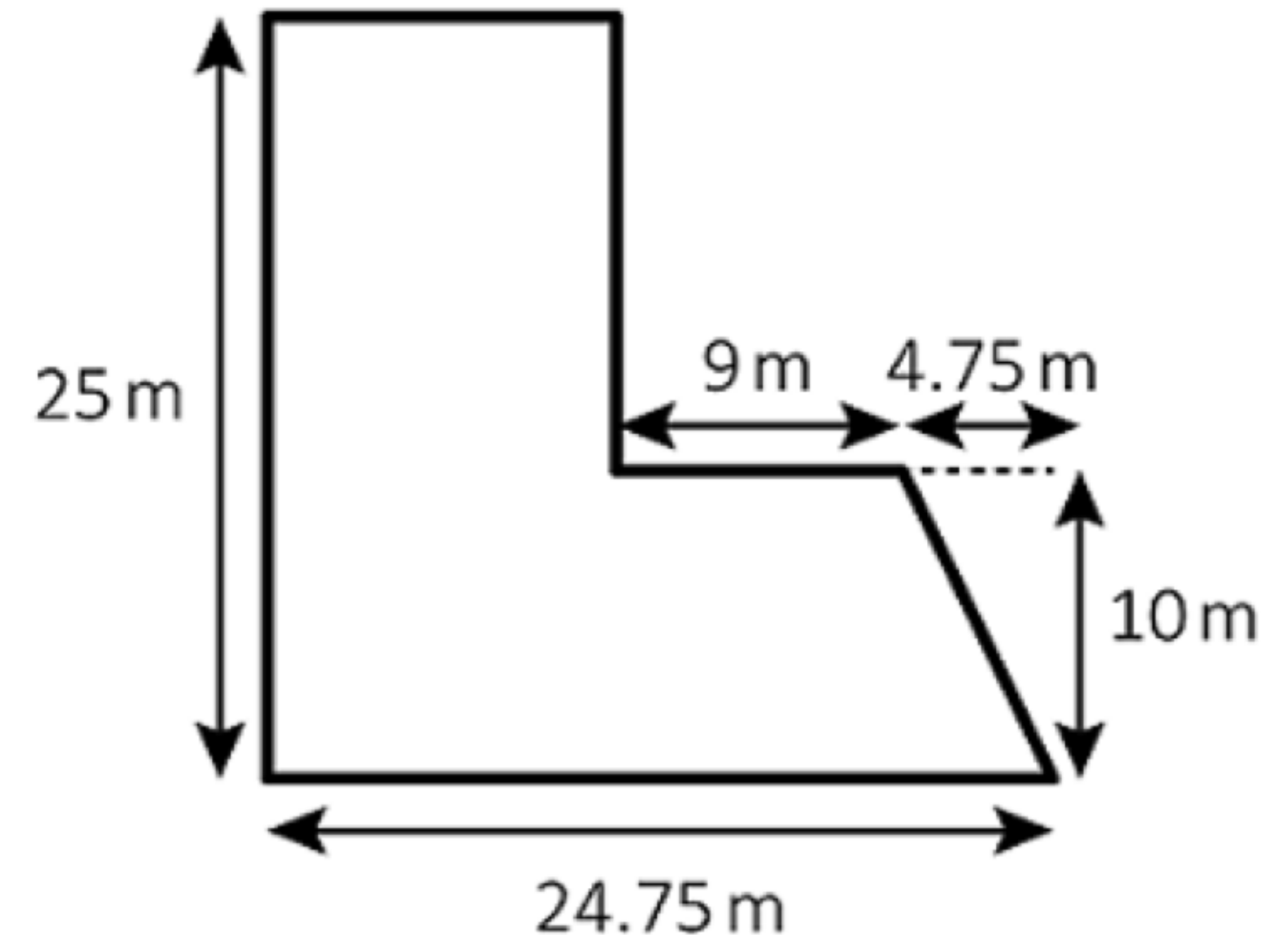
45. What is the area of this shape?

A
 618.75m^2

B
 412.5m^2

C
 641.25m^2

D
 388.75m^2



How to calculate the area of compound shapes



45. What is the area of this shape?

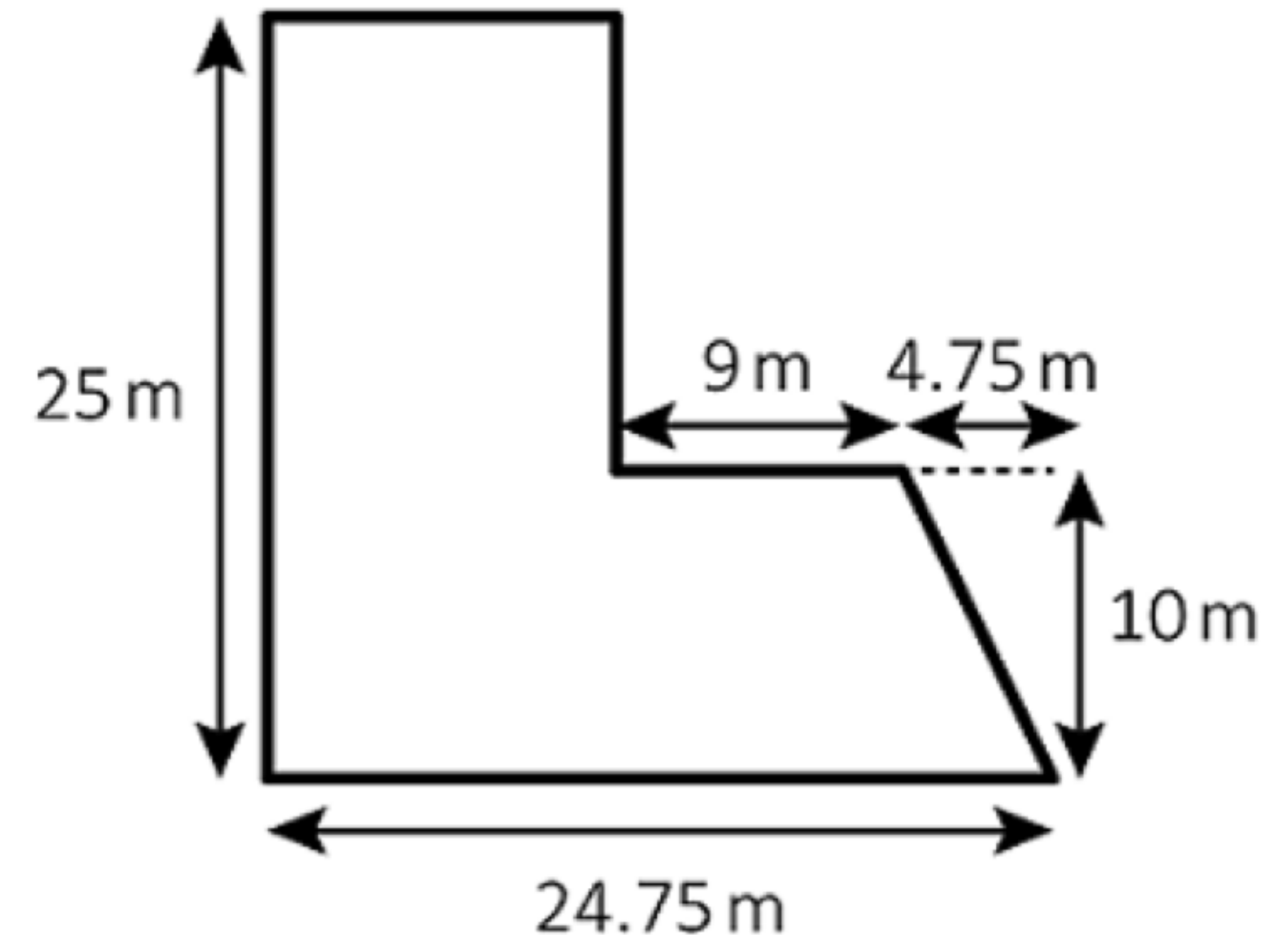
A
 618.75m^2

B
 412.5m^2

C
 641.25m^2

D
 388.75m^2

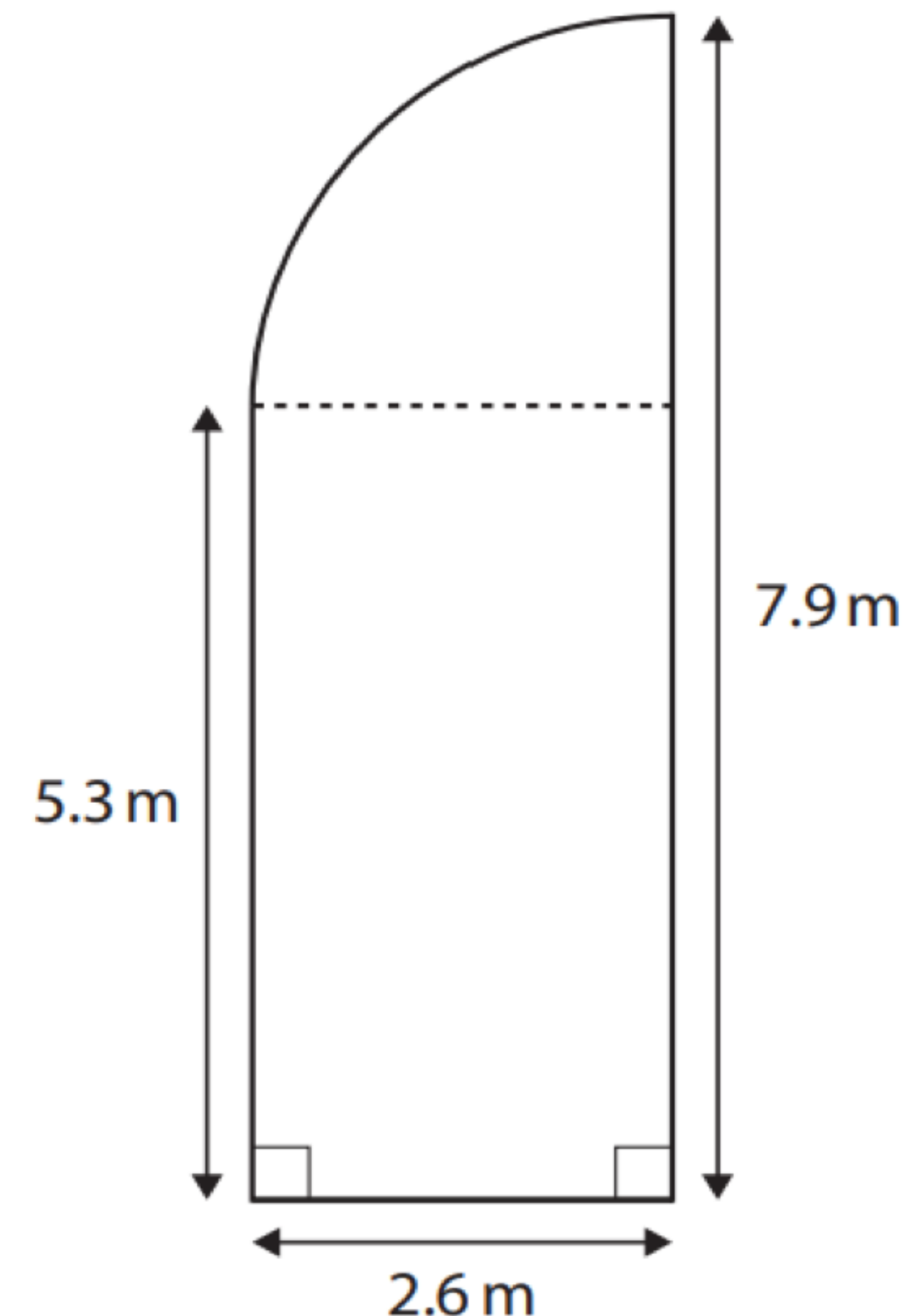
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How to calculate the perimeter of compound shapes



46. What is the perimeter of this shape to one decimal place?

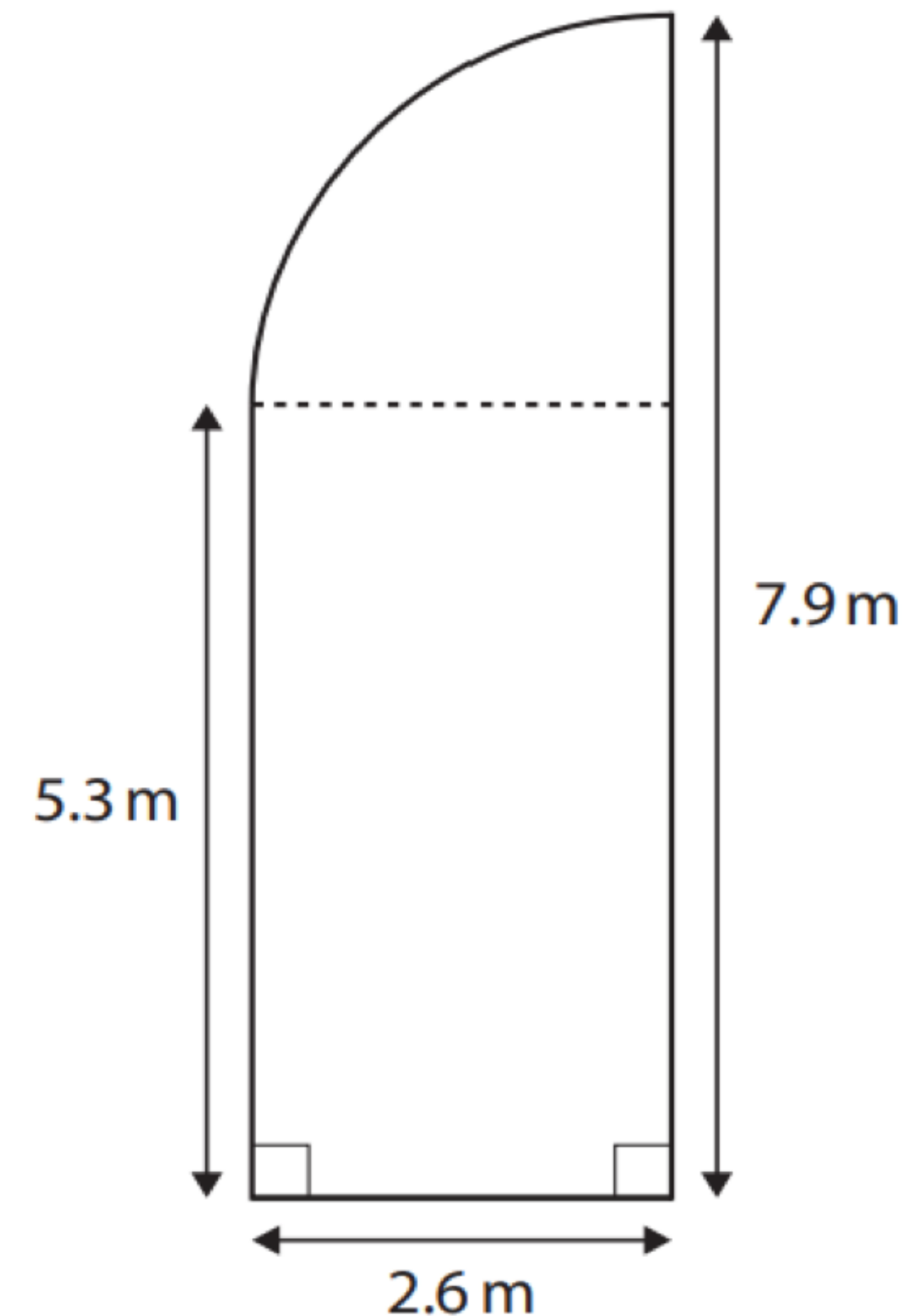


How to calculate the perimeter of compound shapes



46. What is the perimeter of this shape to one decimal place?

A
15.8m



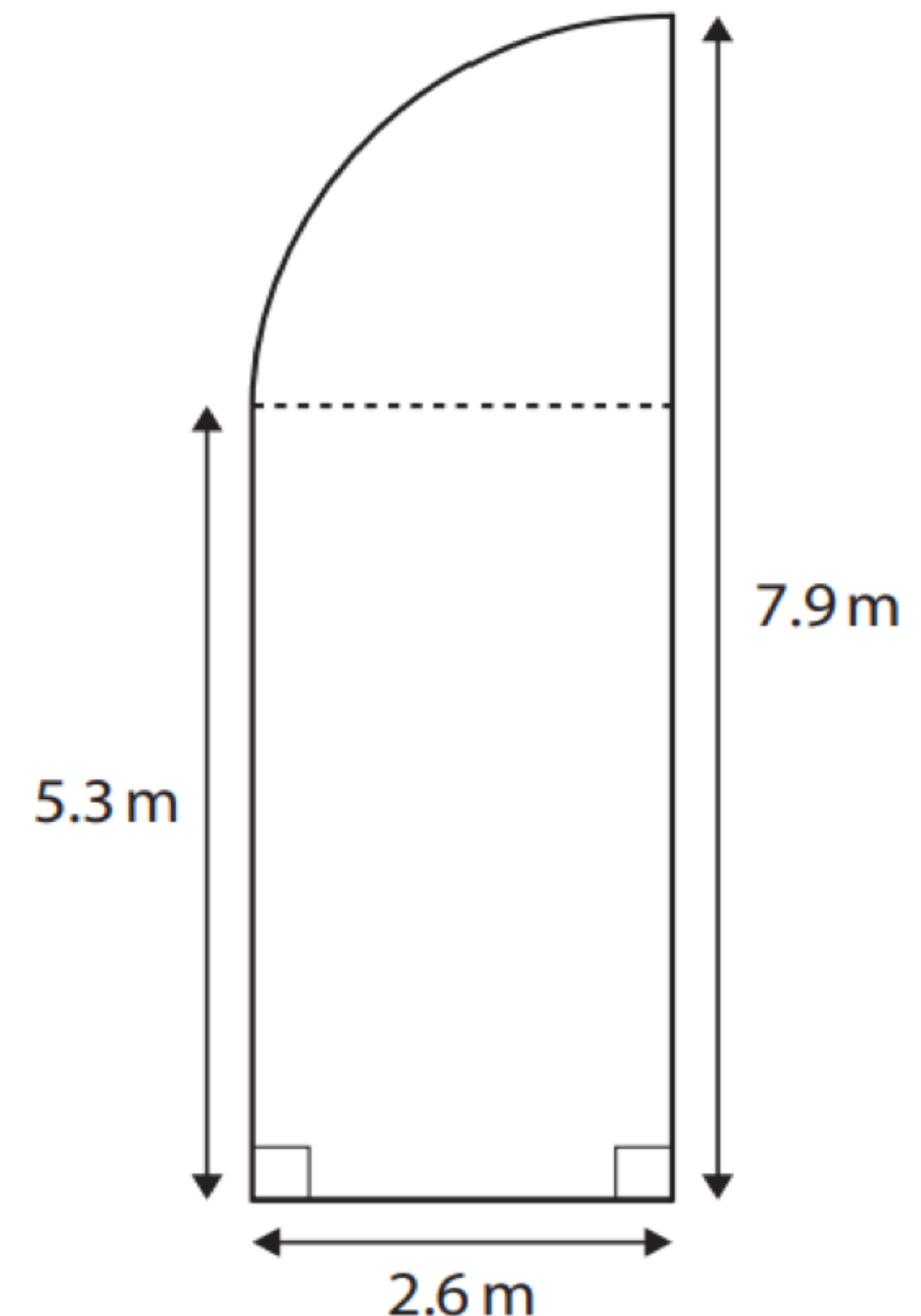
How to calculate the perimeter of compound shapes



46. What is the perimeter of this shape to one decimal place?

A
15.8m

B
18.4m



How to calculate the perimeter of compound shapes

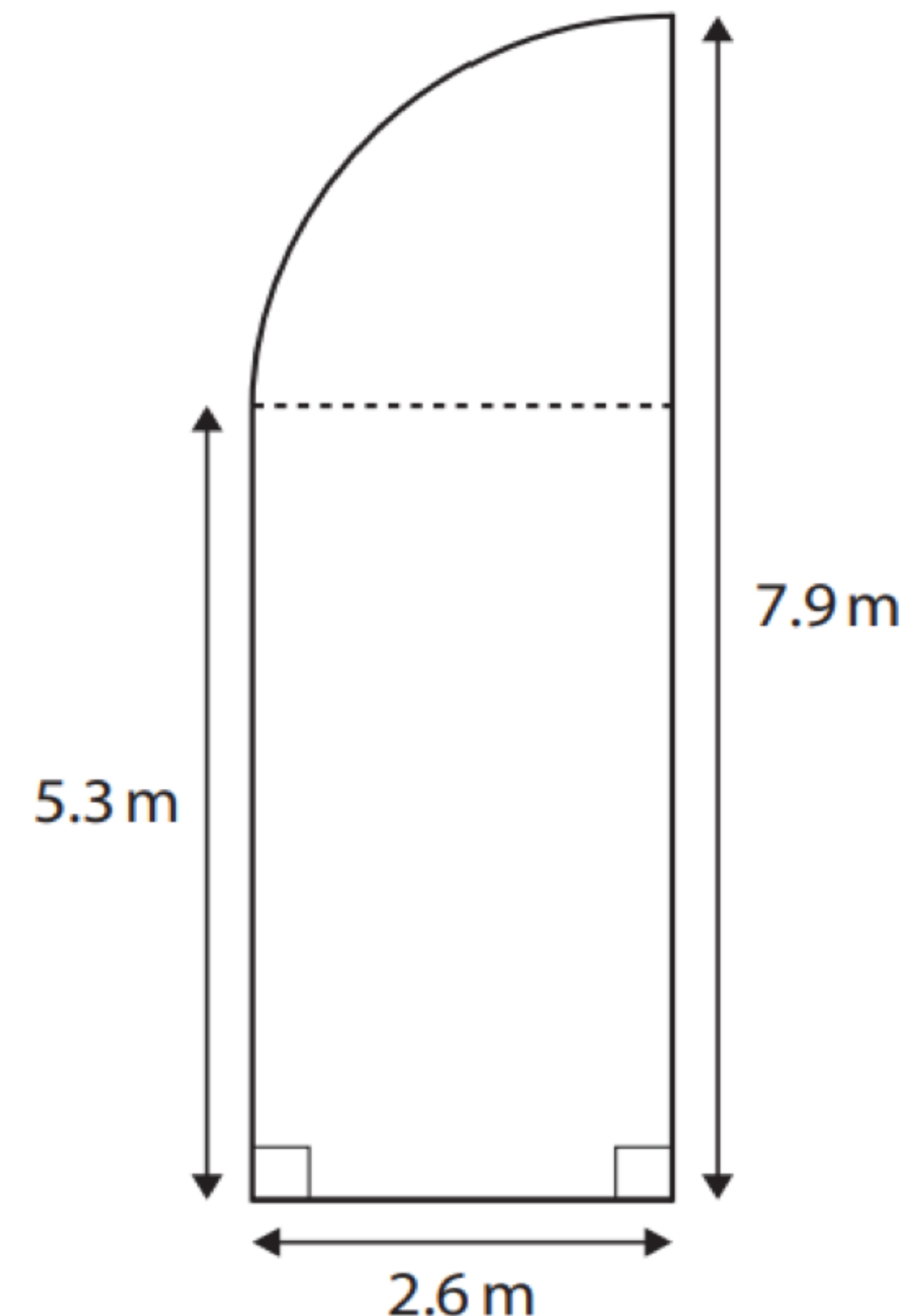


46. What is the perimeter of this shape to one decimal place?

A
15.8m

B
18.4m

C
24.0m



How to calculate the perimeter of compound shapes



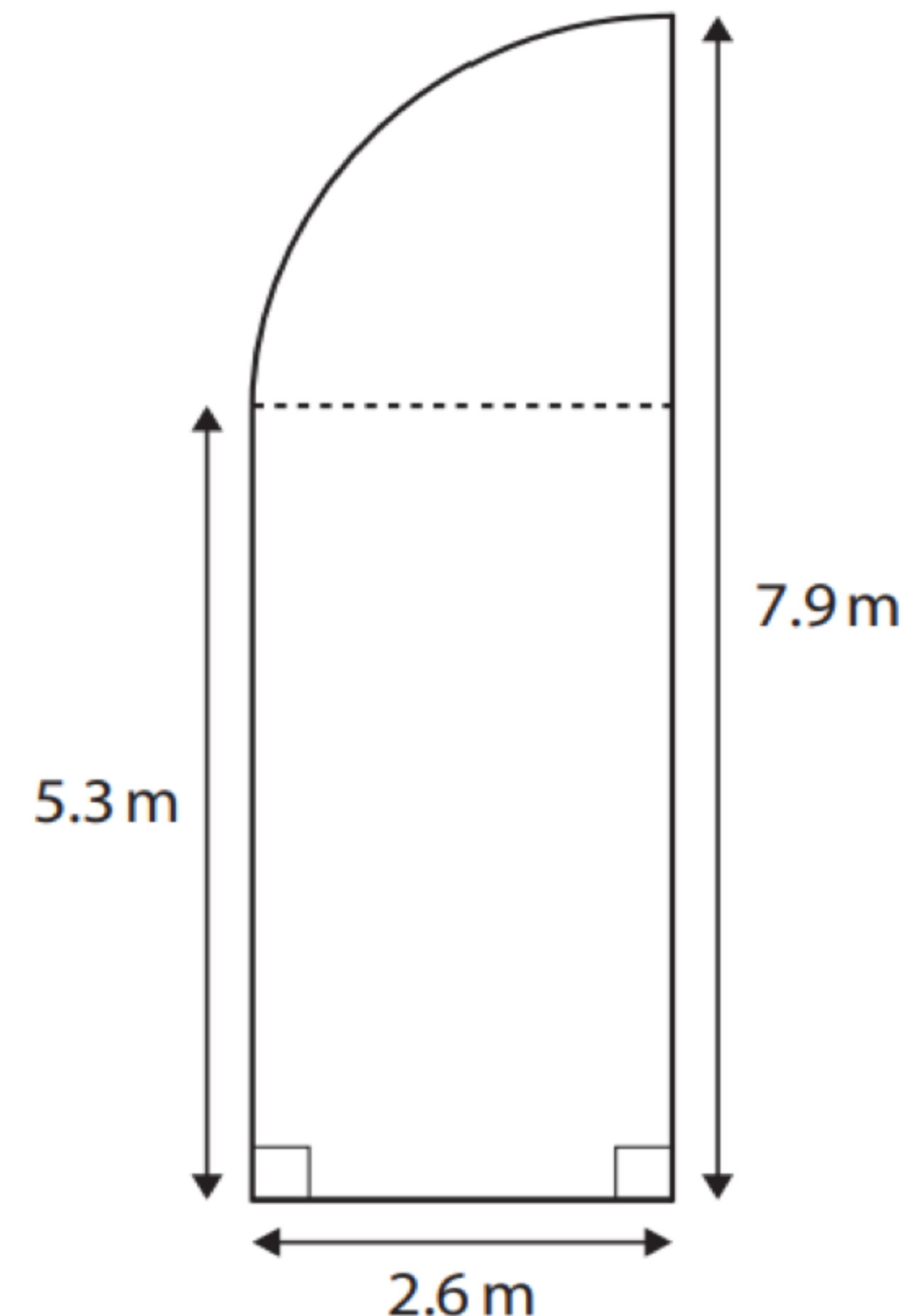
46. What is the perimeter of this shape to one decimal place?

A
15.8m

B
18.4m

C
24.0m

D
19.9m



How to calculate the perimeter of compound shapes



46. What is the perimeter of this shape to one decimal place?

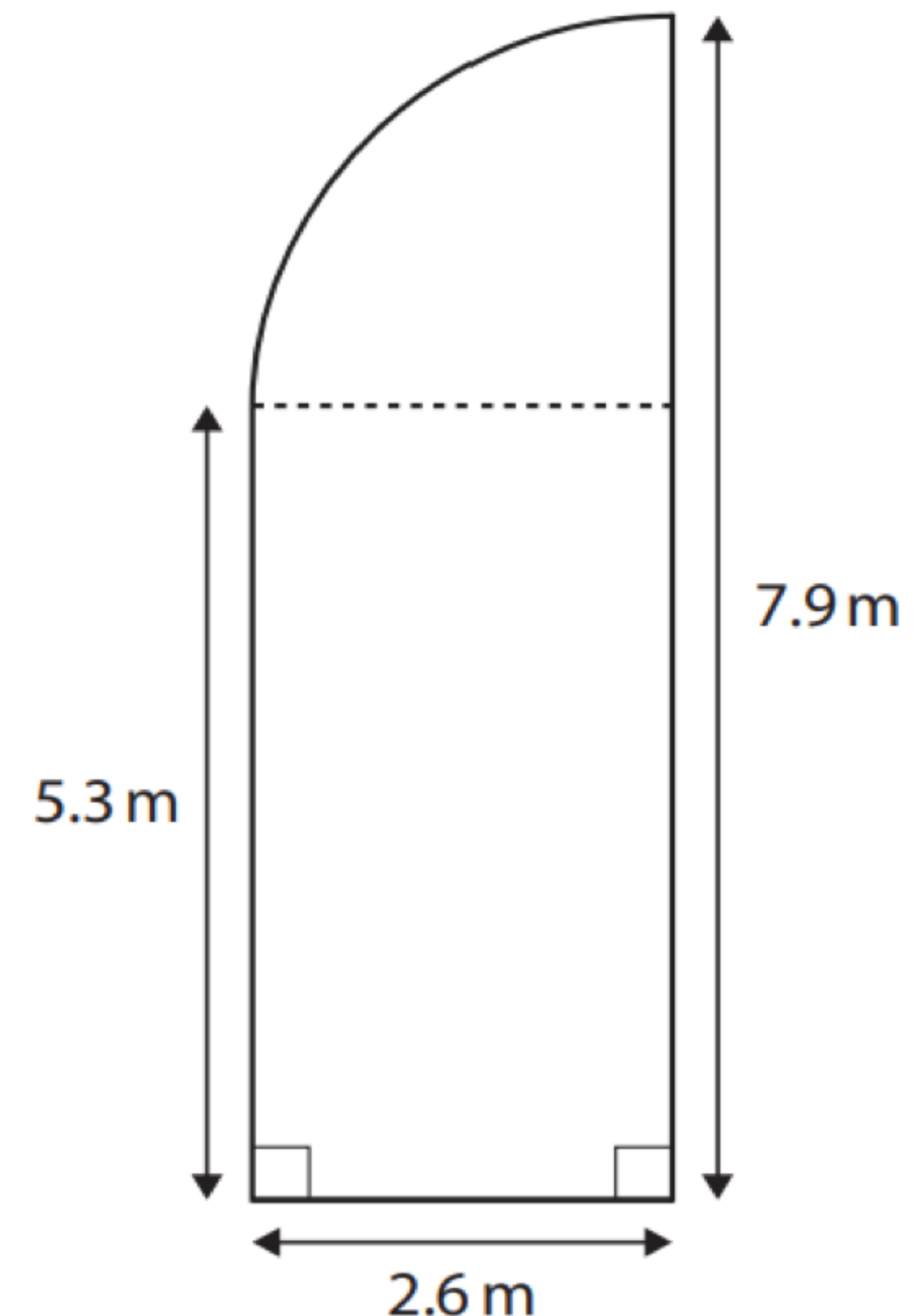
A
15.8m

B
18.4m

C
24.0m

D
19.9m

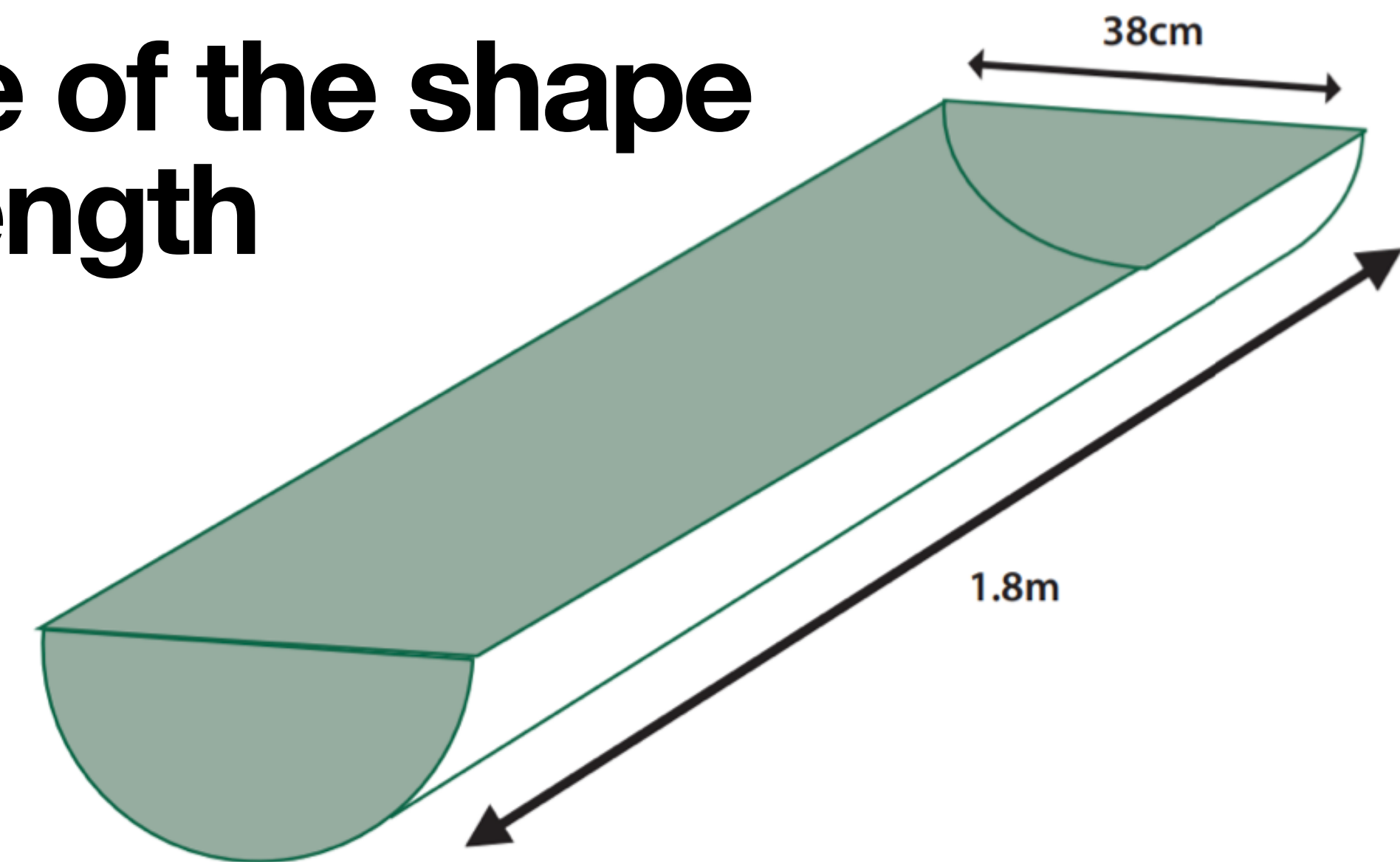
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How to use formulas to calculate the volume of 3D shapes



47. Use the formula to find the volume of the shape where v = volume, r = radius and l = length



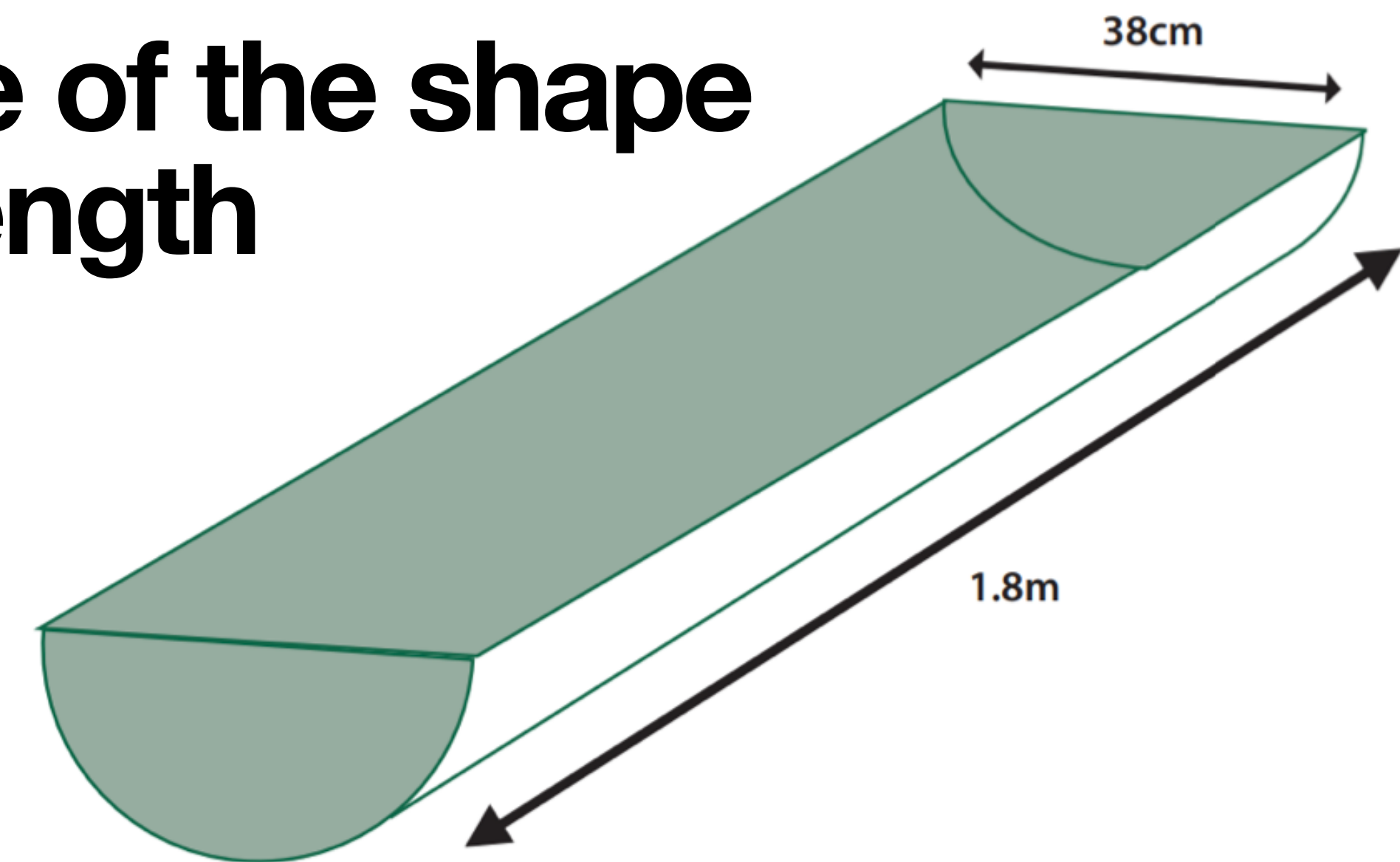
$$V = \frac{(\pi r^2 l)}{2}$$

How to use formulas to calculate the volume of 3D shapes



47. Use the formula to find the volume of the shape where v = volume, r = radius and l = length

A
 0.2m^3



$$V = \frac{(\pi r^2 l)}{2}$$

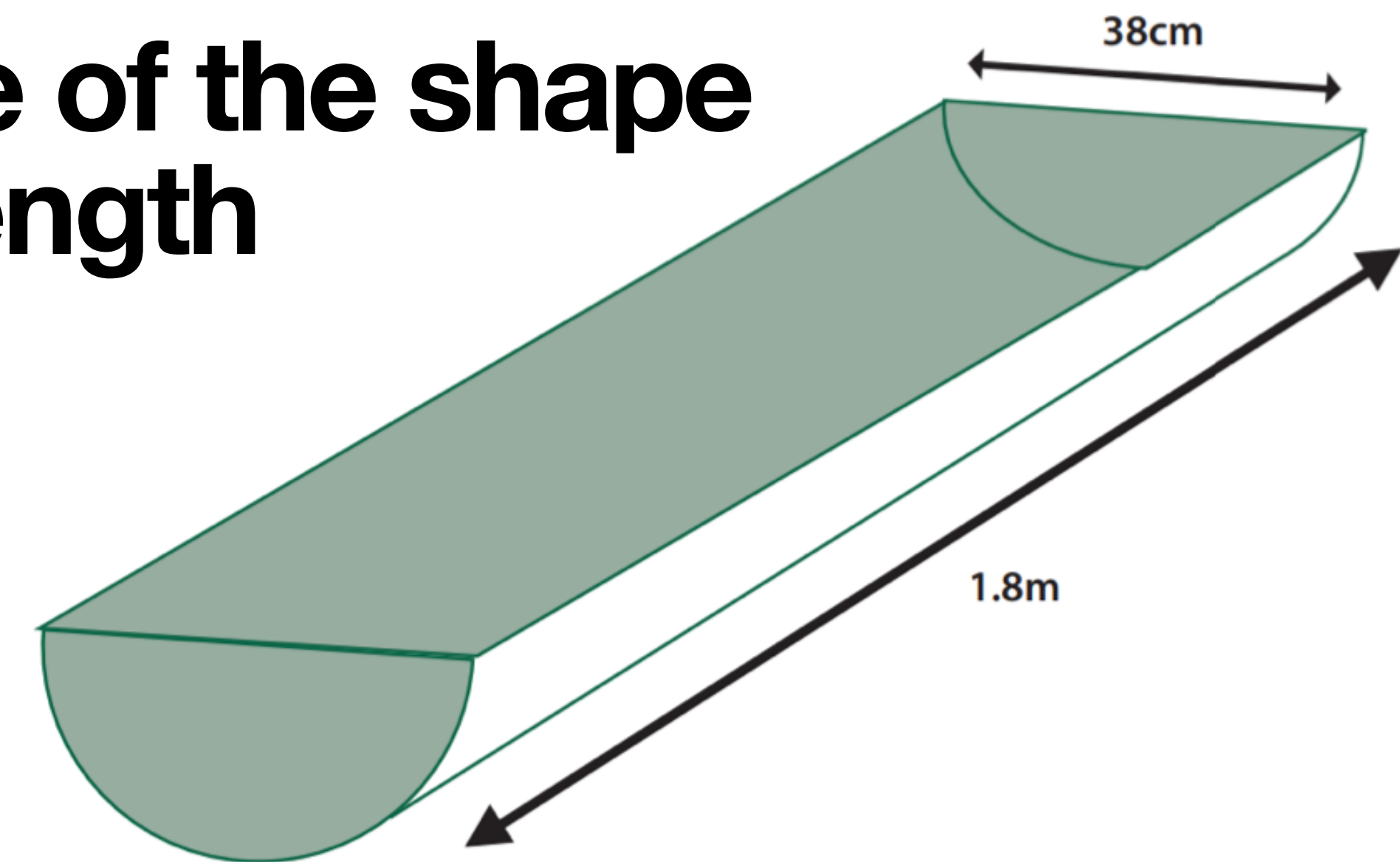
How to use formulas to calculate the volume of 3D shapes



47. Use the formula to find the volume of the shape where v = volume, r = radius and l = length

A
 0.2m^3

B
 2040.4m^3



$$V = \frac{(\pi r^2 l)}{2}$$

How to use formulas to calculate the volume of 3D shapes

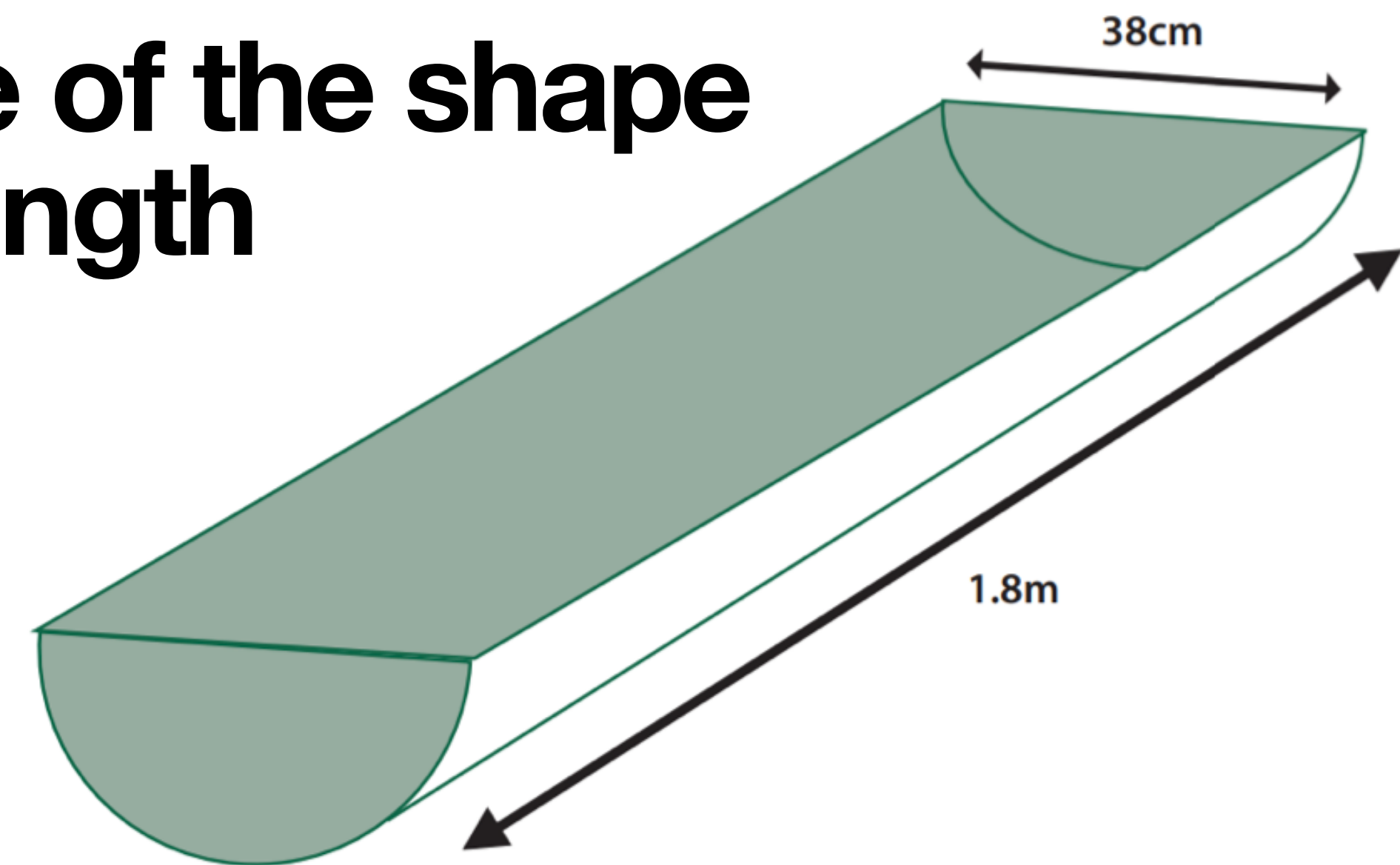


47. Use the formula to find the volume of the shape where v = volume, r = radius and l = length

A
 0.2m^3

B
 2040.4m^3

C
 8161.5m^3



$$V = \frac{(\pi r^2 l)}{2}$$

How to use formulas to calculate the volume of 3D shapes



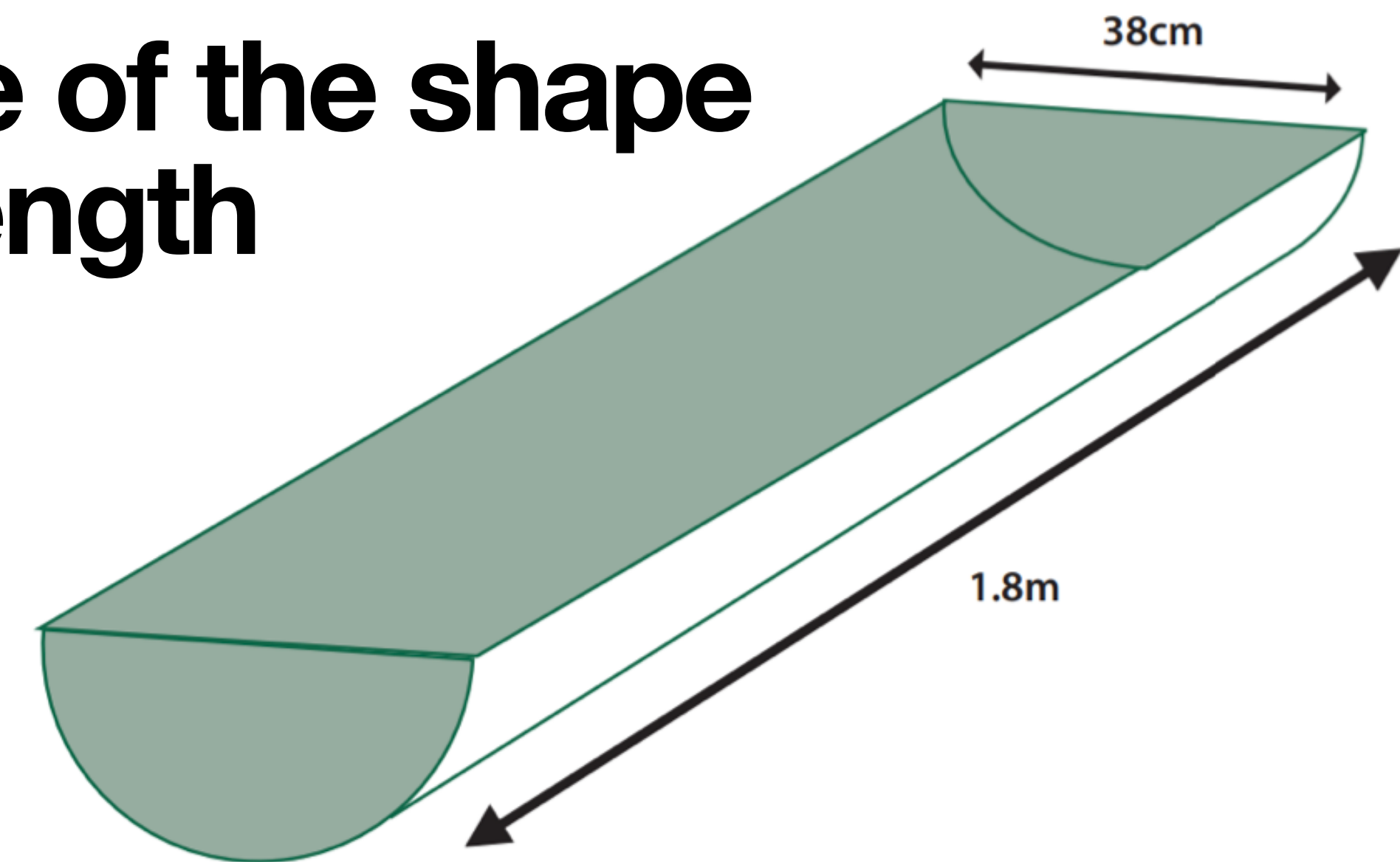
47. Use the formula to find the volume of the shape where v = volume, r = radius and l = length

A
 0.2m^3

B
 2040.4m^3

C
 8161.5m^3

D
 0.1m^3



$$V = \frac{(\pi r^2 l)}{2}$$

How to use formulas to calculate the volume of 3D shapes



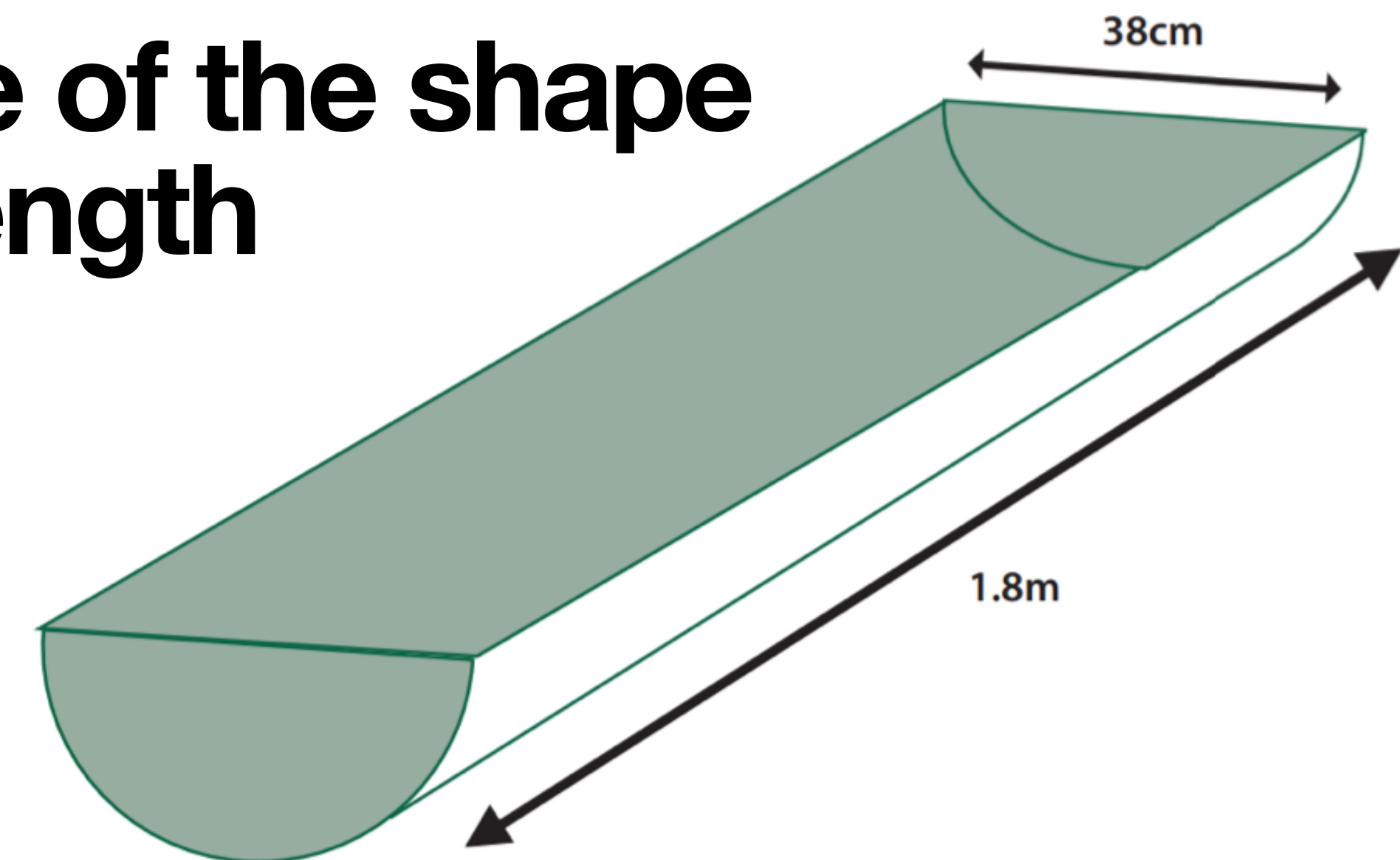
47. Use the formula to find the volume of the shape where v = volume, r = radius and l = length

A
 0.2m^3

B
 2040.4m^3

C
 8161.5m^3

D
 0.1m^3



$$V = \frac{(\pi r^2 l)}{2}$$

How to find the volume of a triangular prism



48. Use the formula to find the volume of the triangular prism

$$V = \frac{bhl}{2}$$

v = volume in cm^3

b = base in cm

h = height in cm

l = length in cm

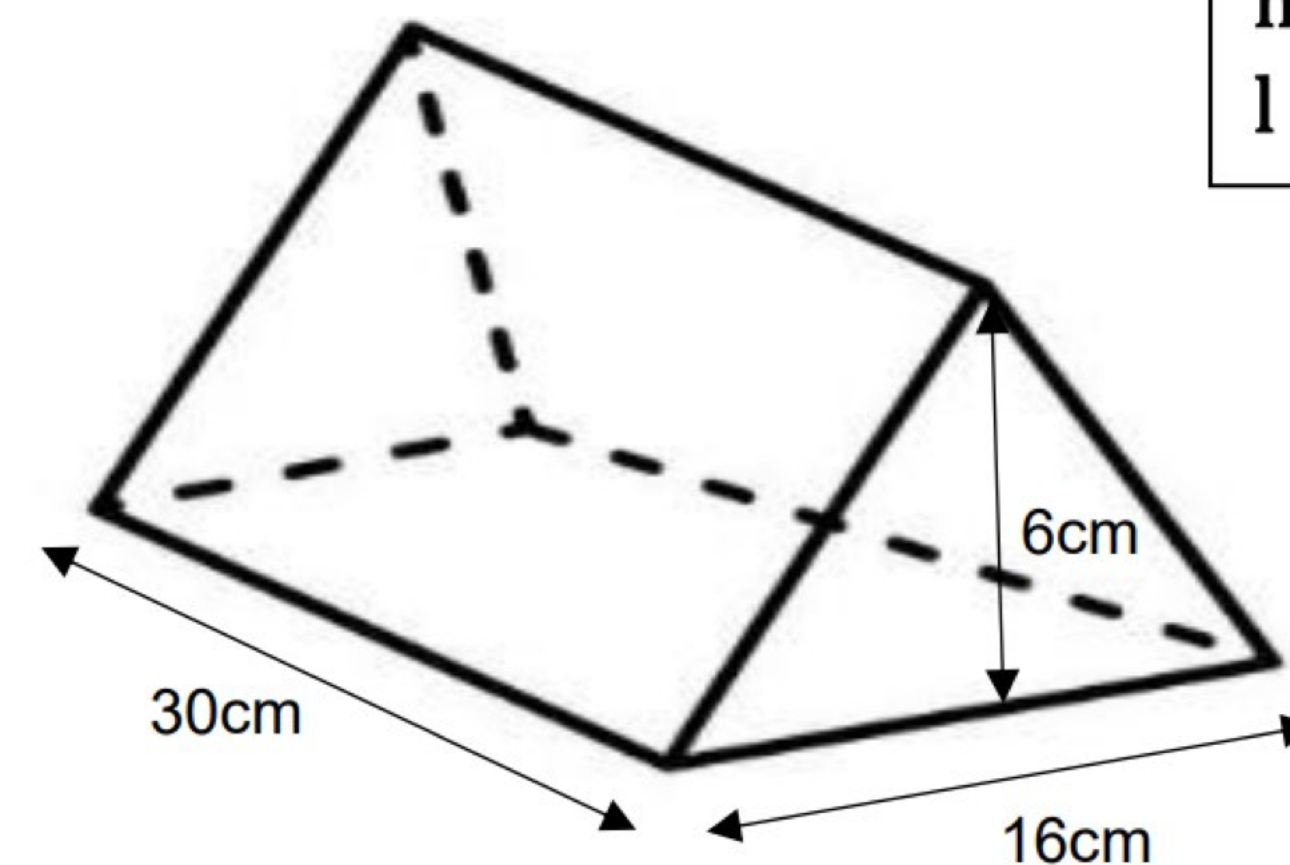


Diagram not to scale

How to find the volume of a triangular prism



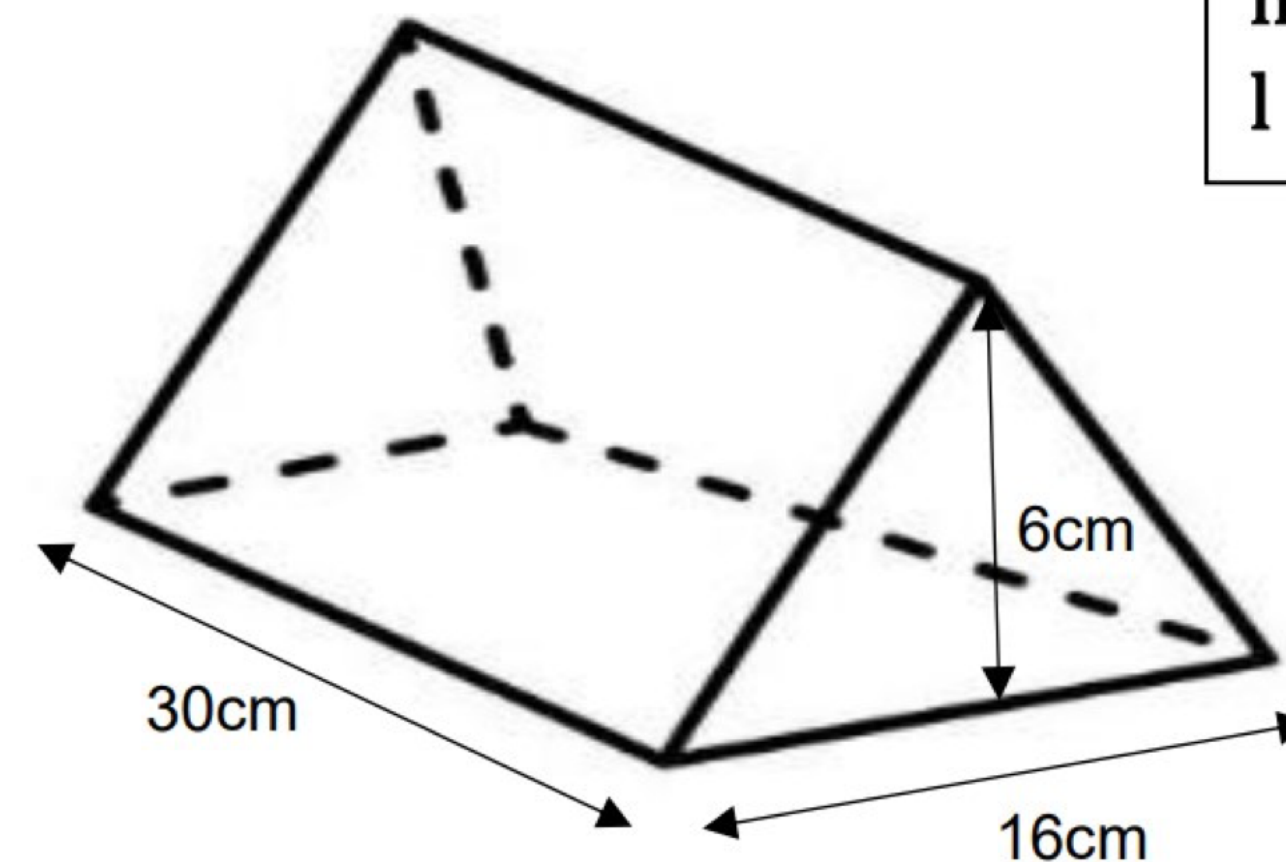
48. Use the formula to find the volume of the triangular prism

A
2880cm³

$$V = \frac{bhl}{2}$$

v = volume in cm³
 b = base in cm
 h = height in cm
 l = length in cm

Diagram not to scale



How to find the volume of a triangular prism



48. Use the formula to find the volume of the triangular prism

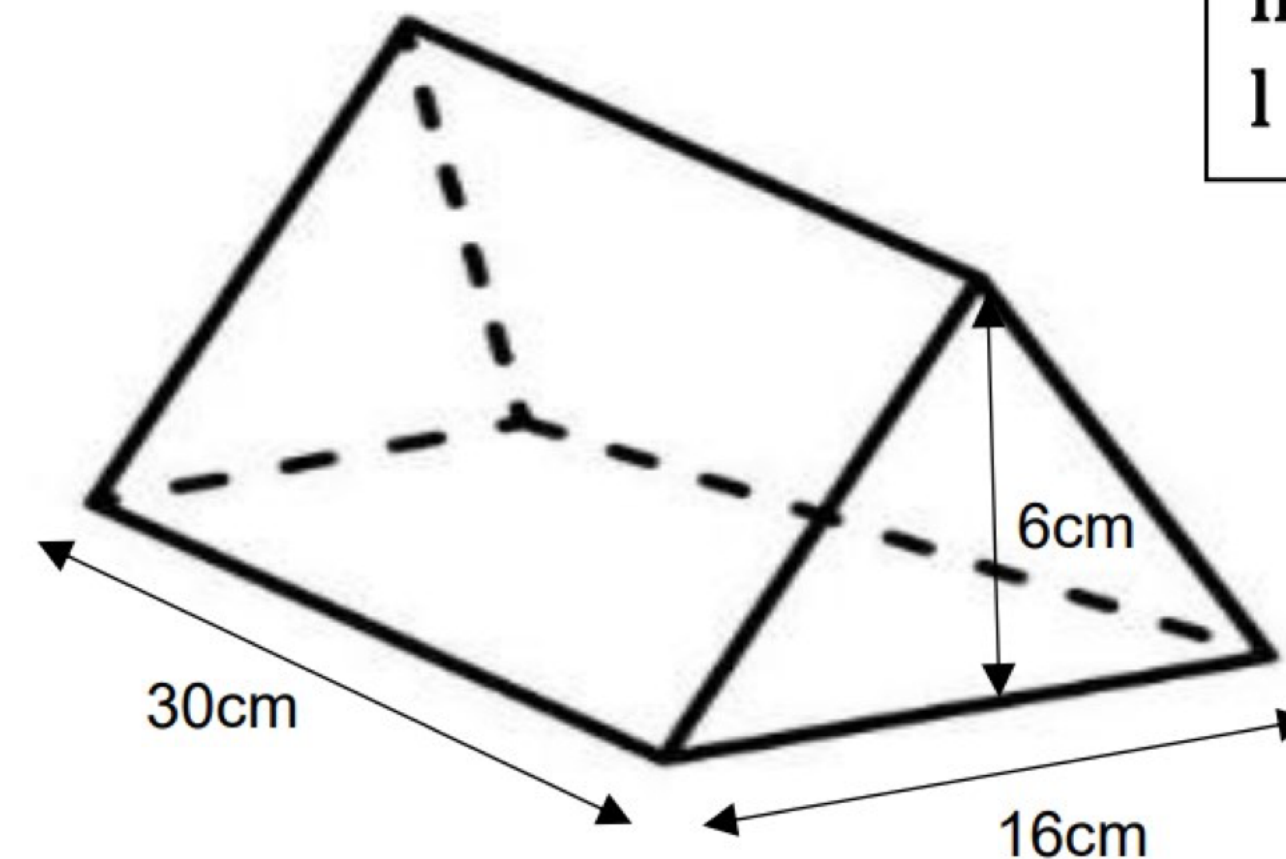
A
2880cm³

B
1440cm³

$$V = \frac{bhl}{2}$$

v = volume in cm³
 b = base in cm
 h = height in cm
 l = length in cm

Diagram not to scale



How to find the volume of a triangular prism



48. Use the formula to find the volume of the triangular prism

A
2880cm³

B
1440cm³

C
720cm³

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$$V = \frac{bhl}{2}$$

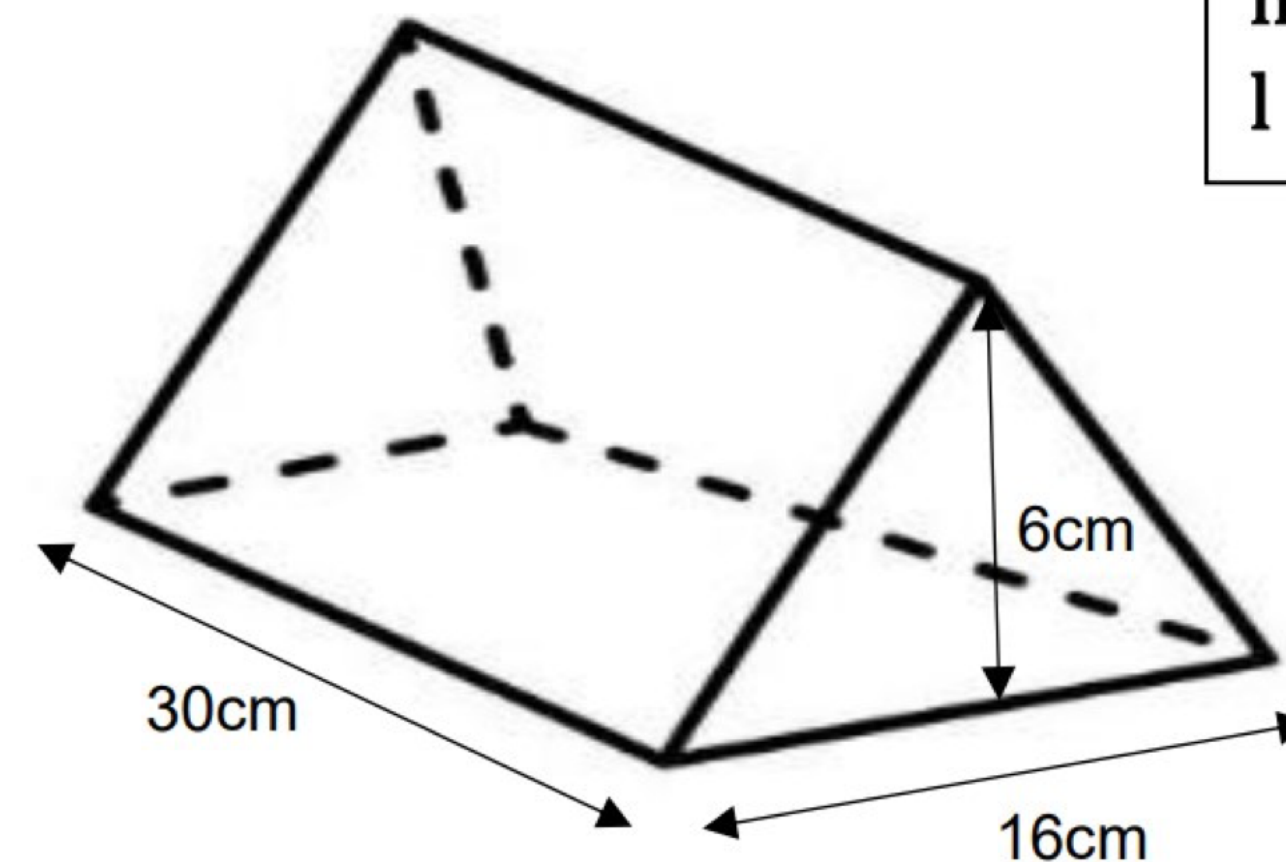
v = volume in cm³

b = base in cm

h = height in cm

l = length in cm

Diagram not to scale



How to find the volume of a triangular prism



48. Use the formula to find the volume of the triangular prism

A
2880cm³

B
1440cm³

C
720cm³

D
2878cm³

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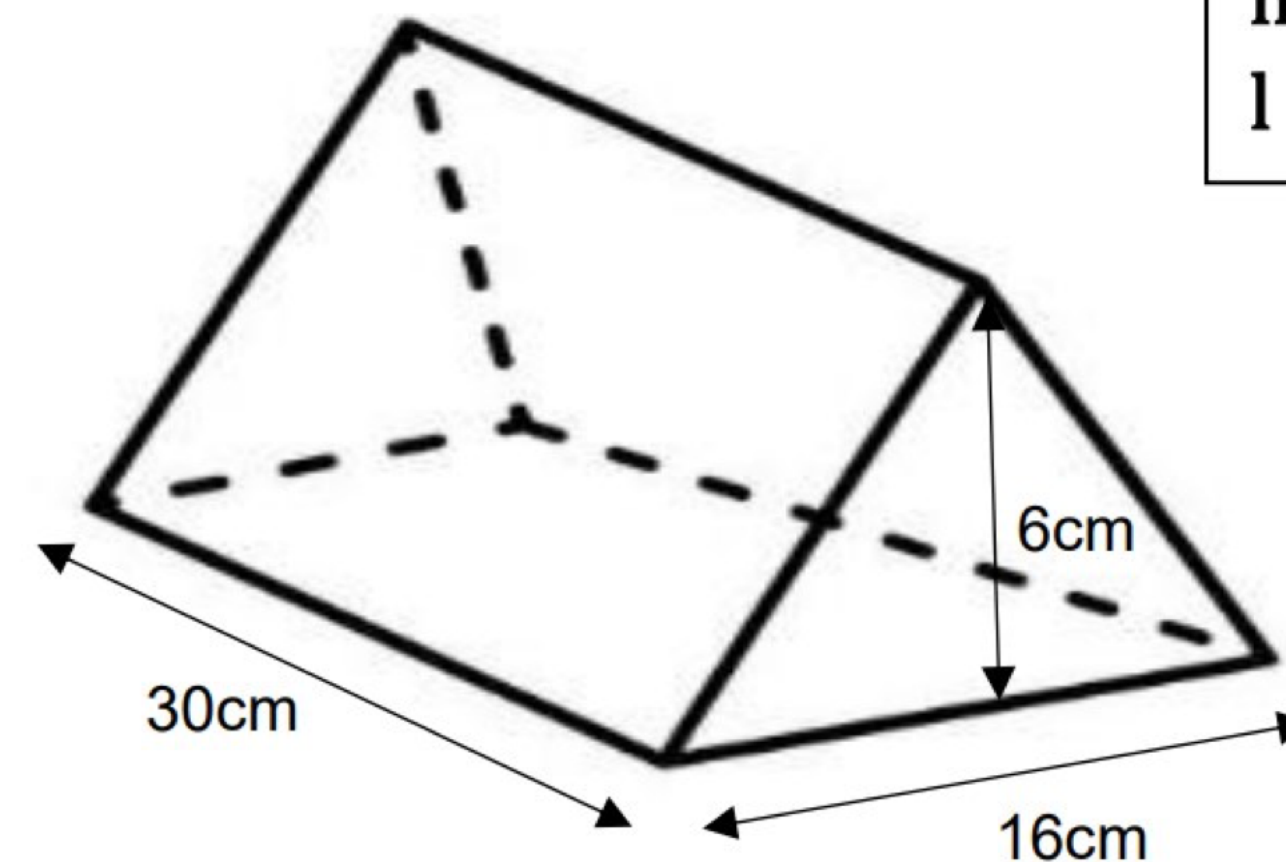


Diagram not to scale

$$V = \frac{bhl}{2}$$

v = volume in cm³

b = base in cm

h = height in cm

l = length in cm

How to find the volume of a triangular prism



48. Use the formula to find the volume of the triangular prism

A
2880cm³

B
1440cm³

C
720cm³

D
2878cm³

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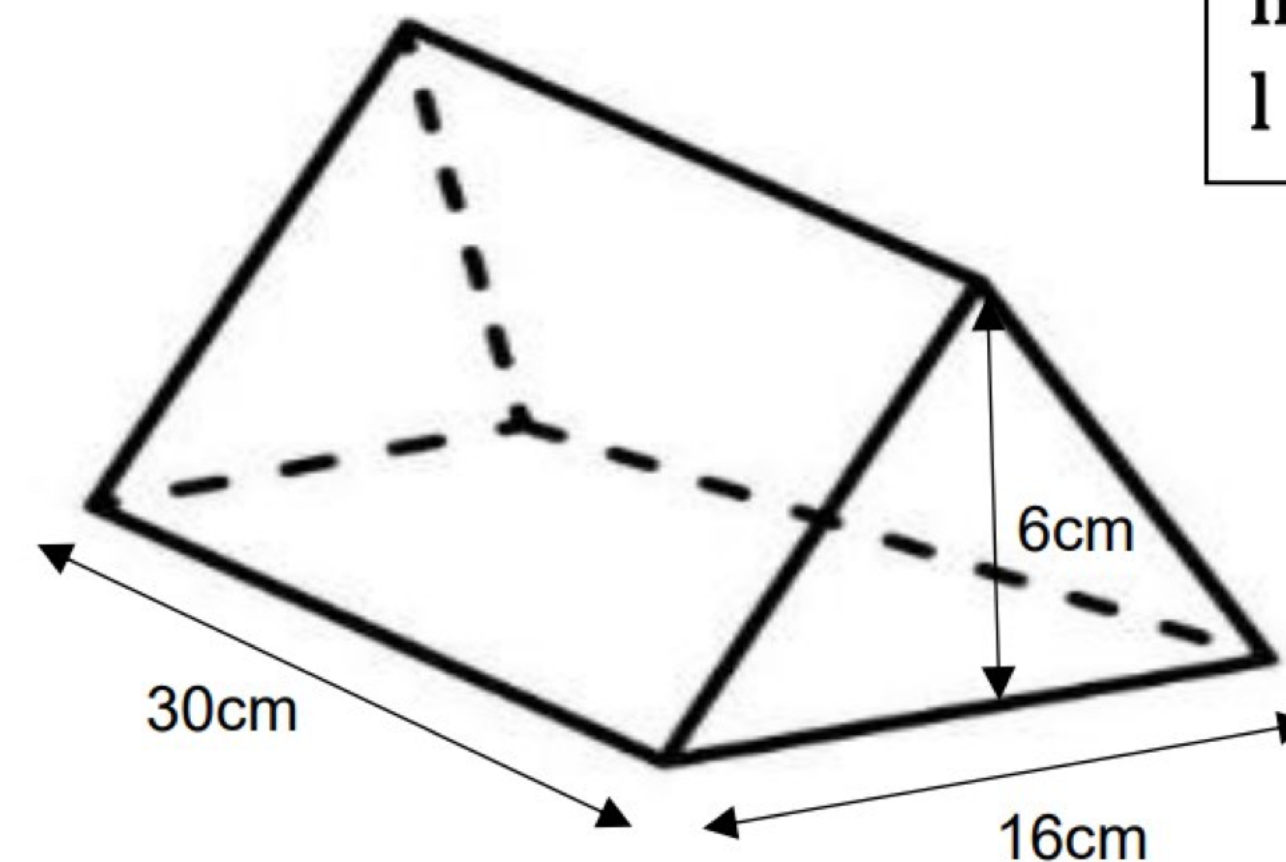


Diagram not to scale

$$V = \frac{bhl}{2}$$

v = volume in cm³

b = base in cm

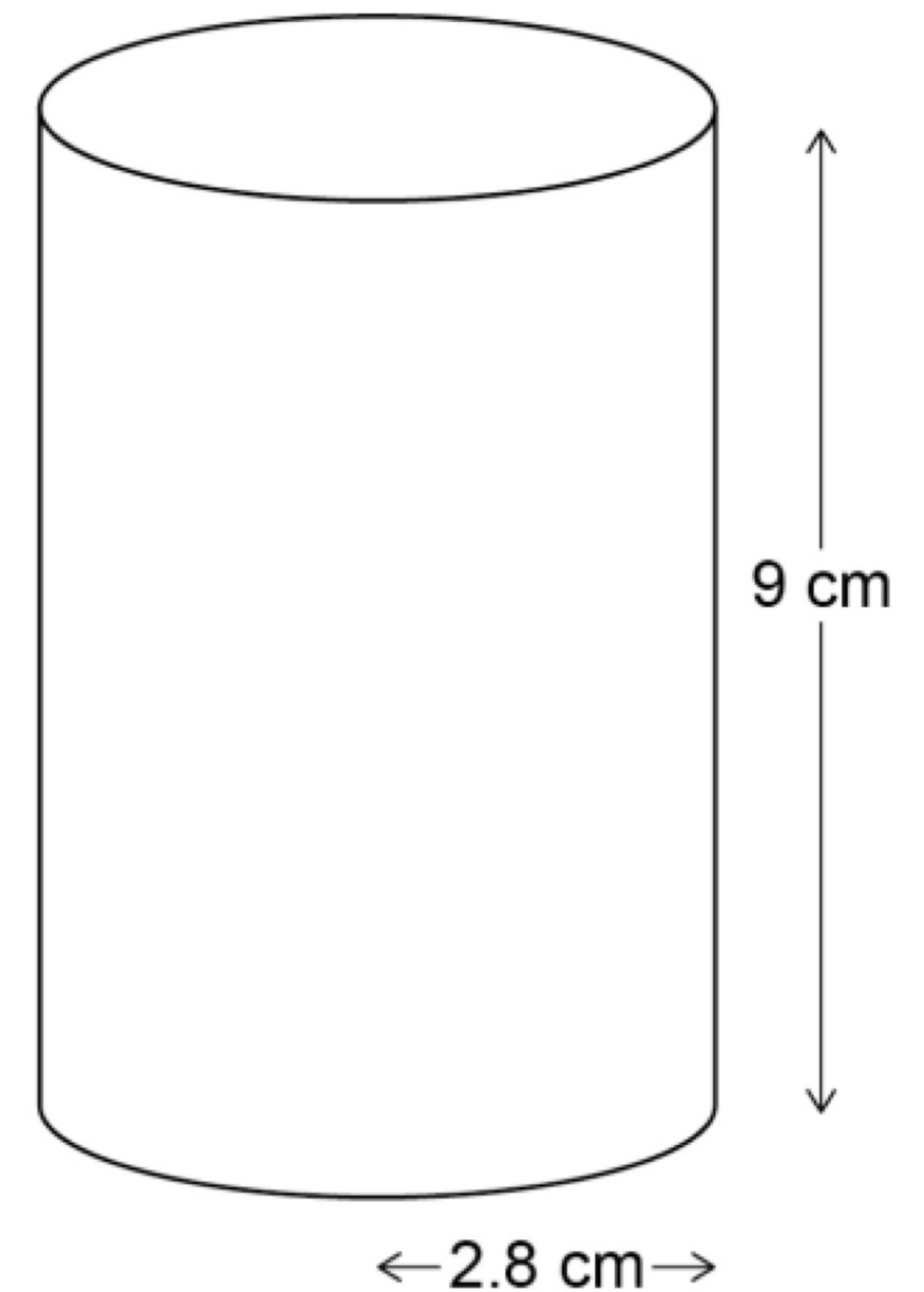
h = height in cm

l = length in cm

How to find the volume of a cylinder



49. What is the volume of the cylinder?

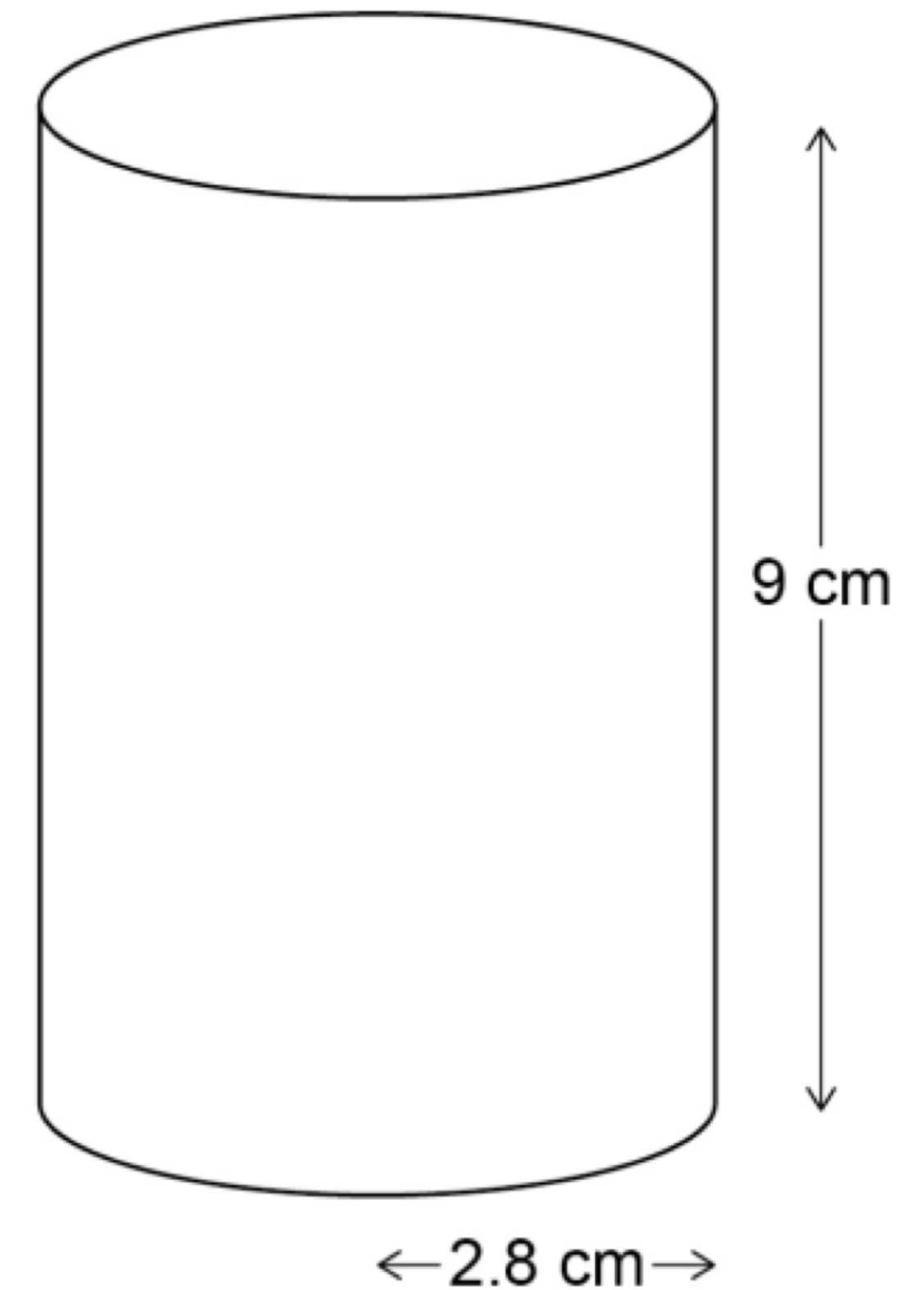


How to find the volume of a cylinder



49. What is the volume of the cylinder?

A
25.2cm³



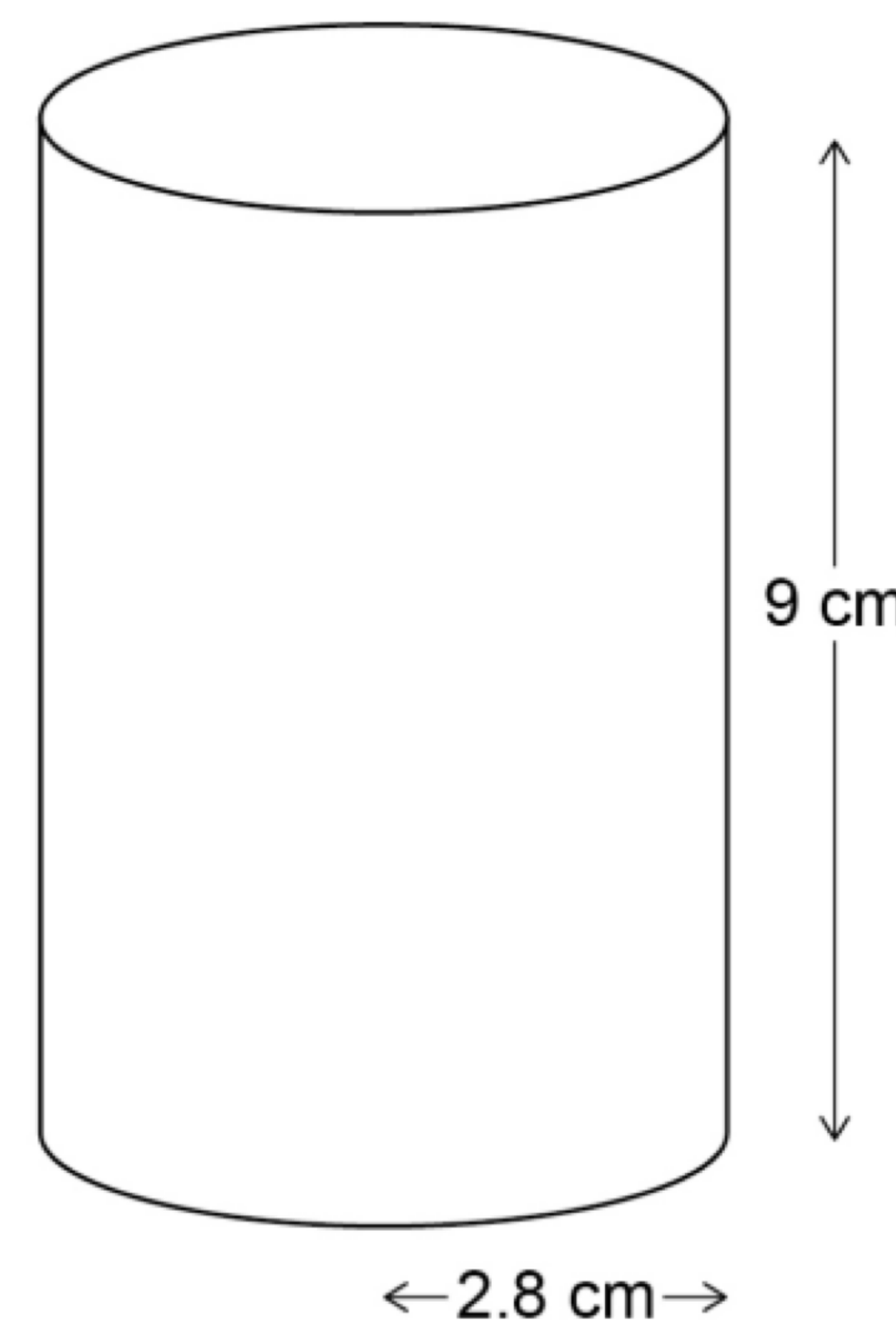
How to find the volume of a cylinder



49. What is the volume of the cylinder?

A
 25.2cm^3

B
 221.6cm^3



How to find the volume of a cylinder

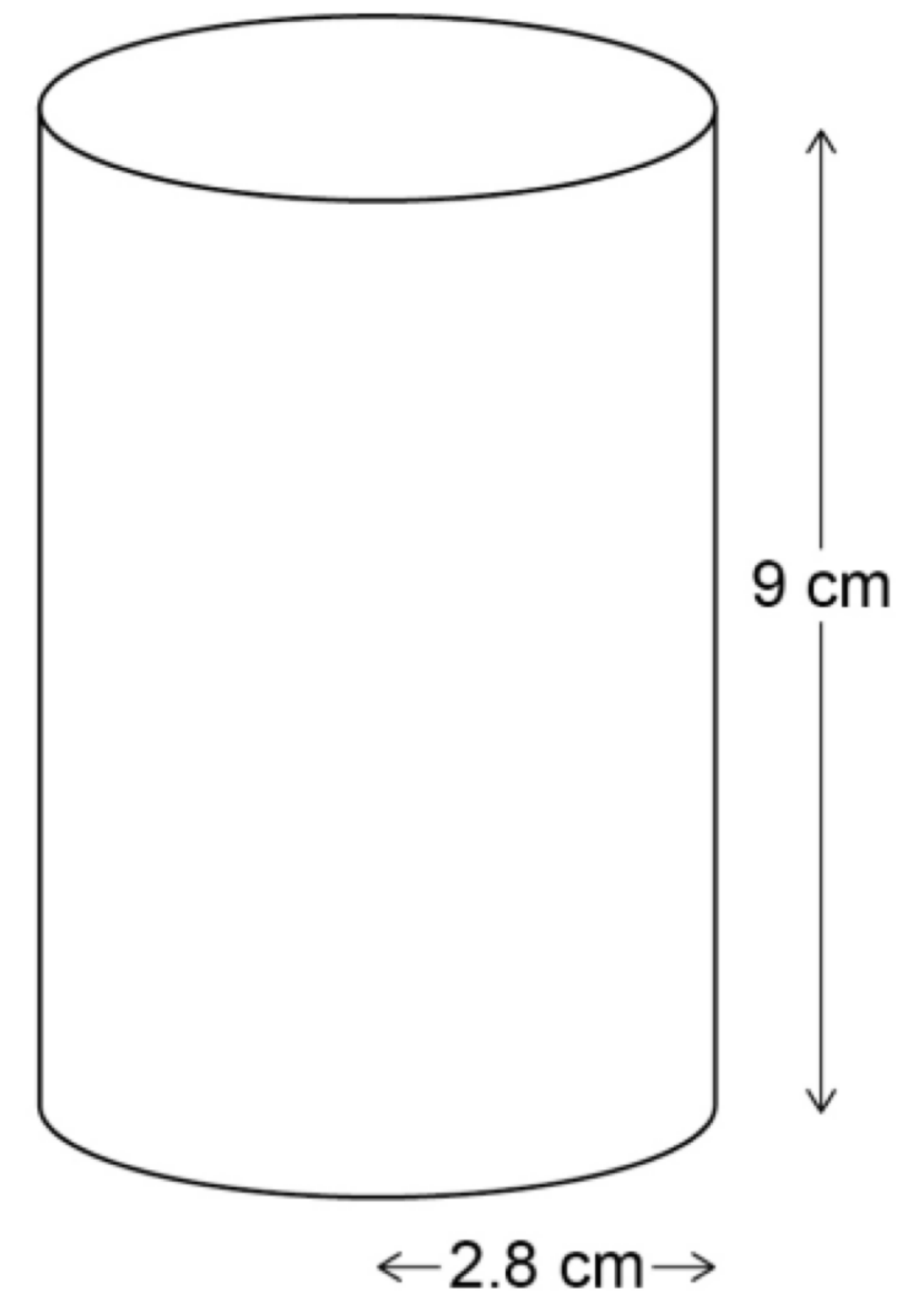


49. What is the volume of the cylinder?

A
 25.2cm^3

B
 221.6cm^3

C
 70.6cm^3



How to find the volume of a cylinder



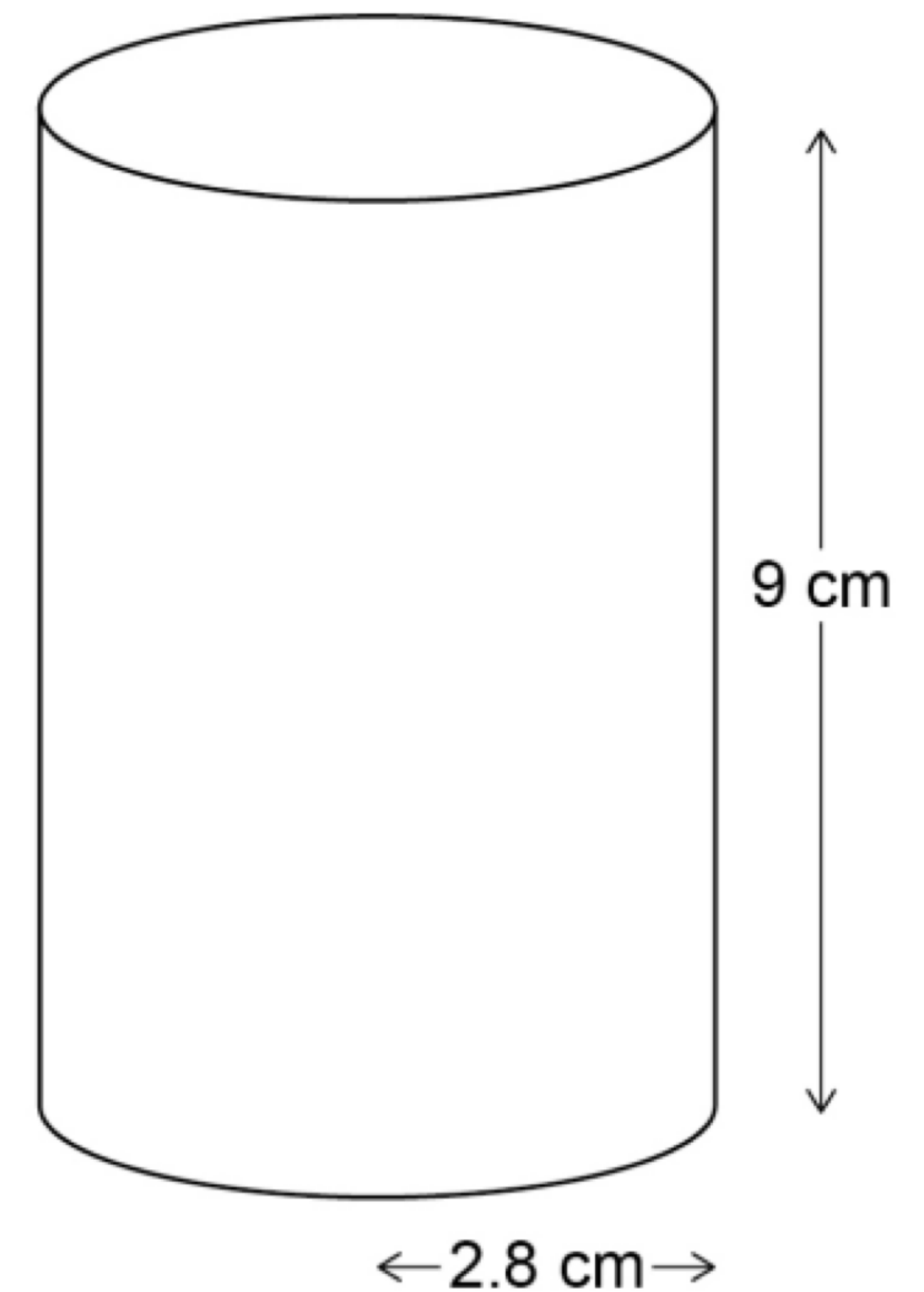
49. What is the volume of the cylinder?

A
 25.2cm^3

B
 221.6cm^3

C
 70.6cm^3

D
 52.2cm^3



How to find the volume of a cylinder



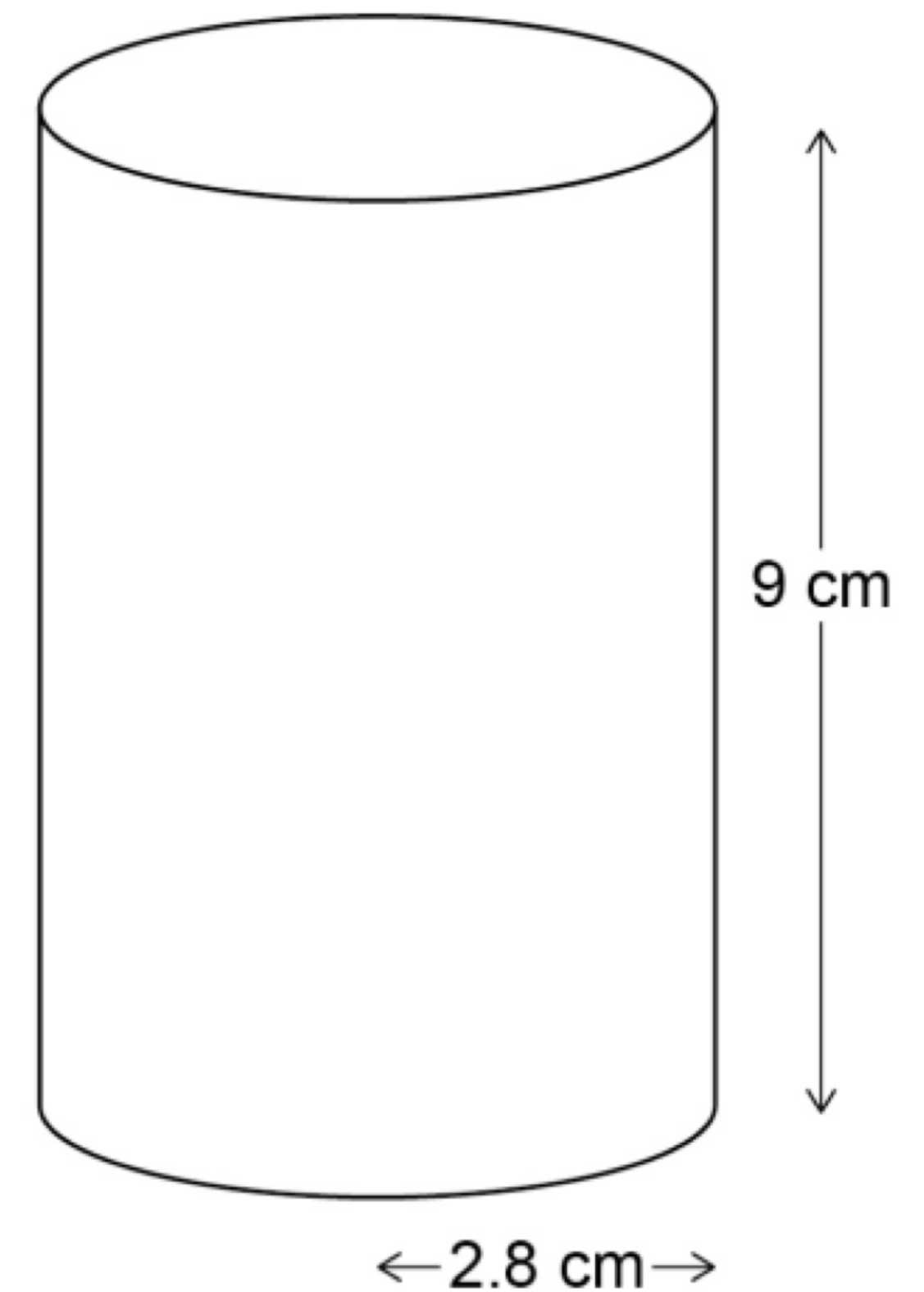
49. What is the volume of the cylinder?

A
 25.2cm^3

B
 221.6cm^3

C
 70.6cm^3

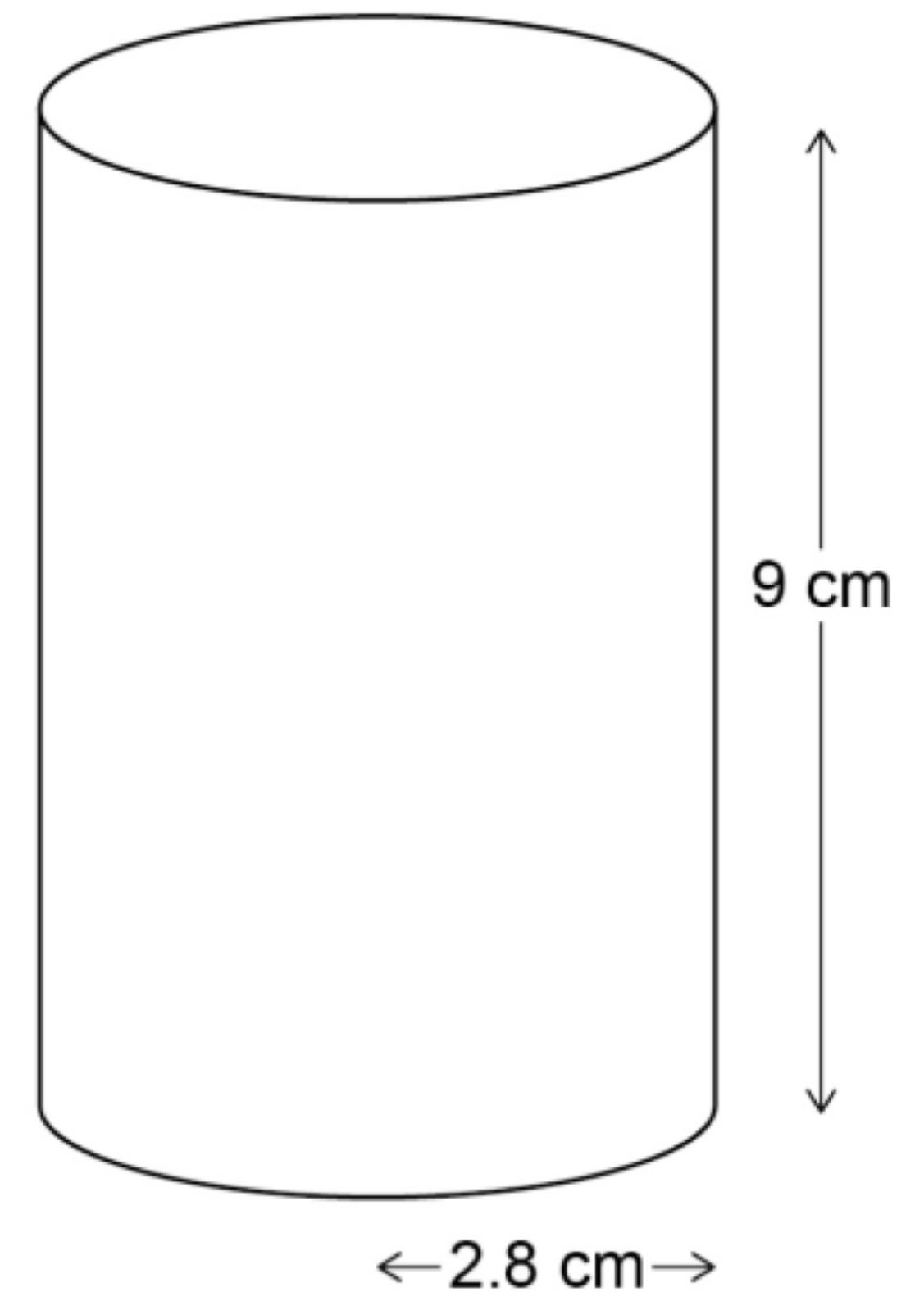
D
 52.2cm^3



How to find the surface area of a cylinder



50. What is the surface area of the cylinder?

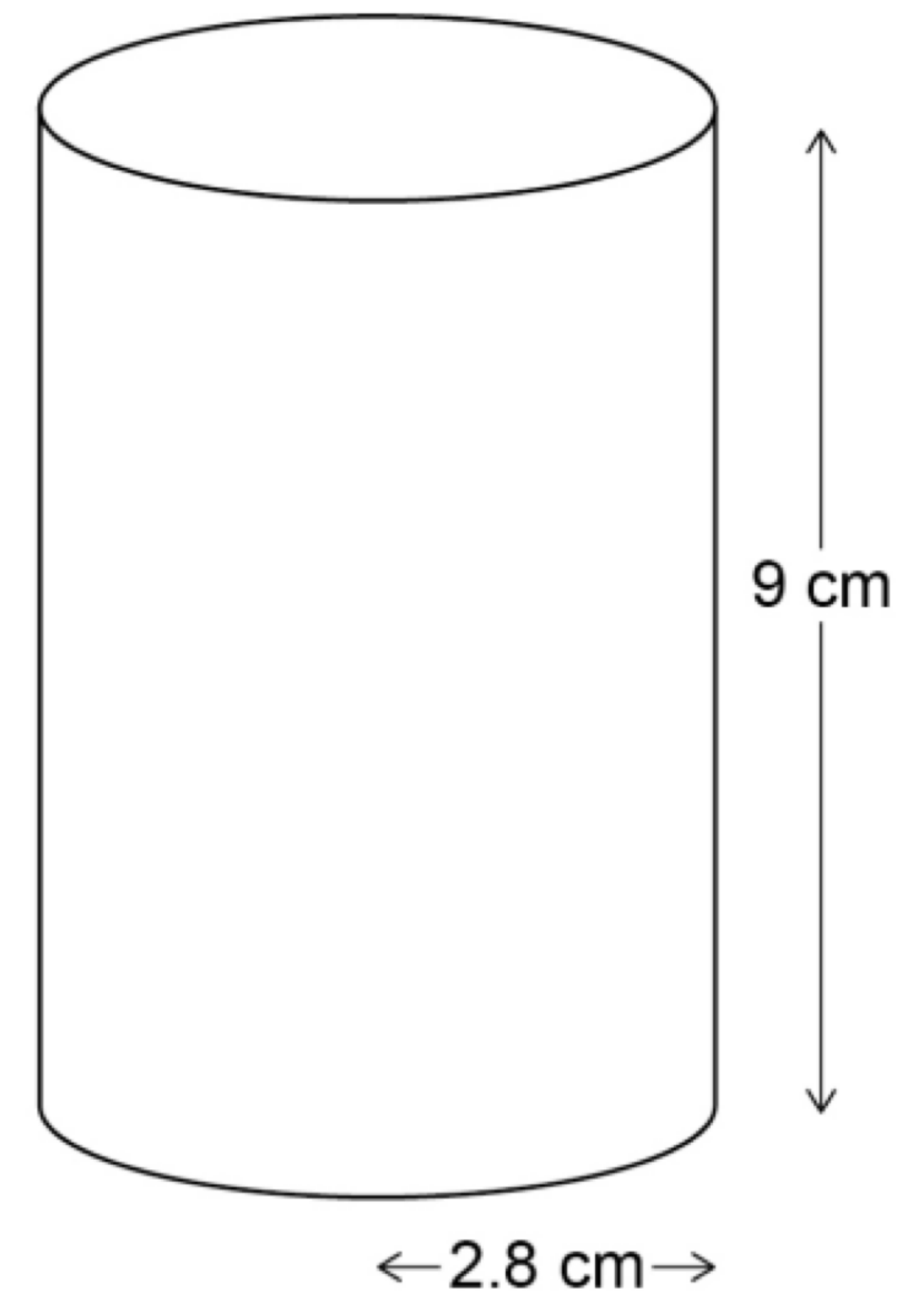


How to find the surface area of a cylinder



50. What is the surface area of the cylinder?

A
207.5cm²



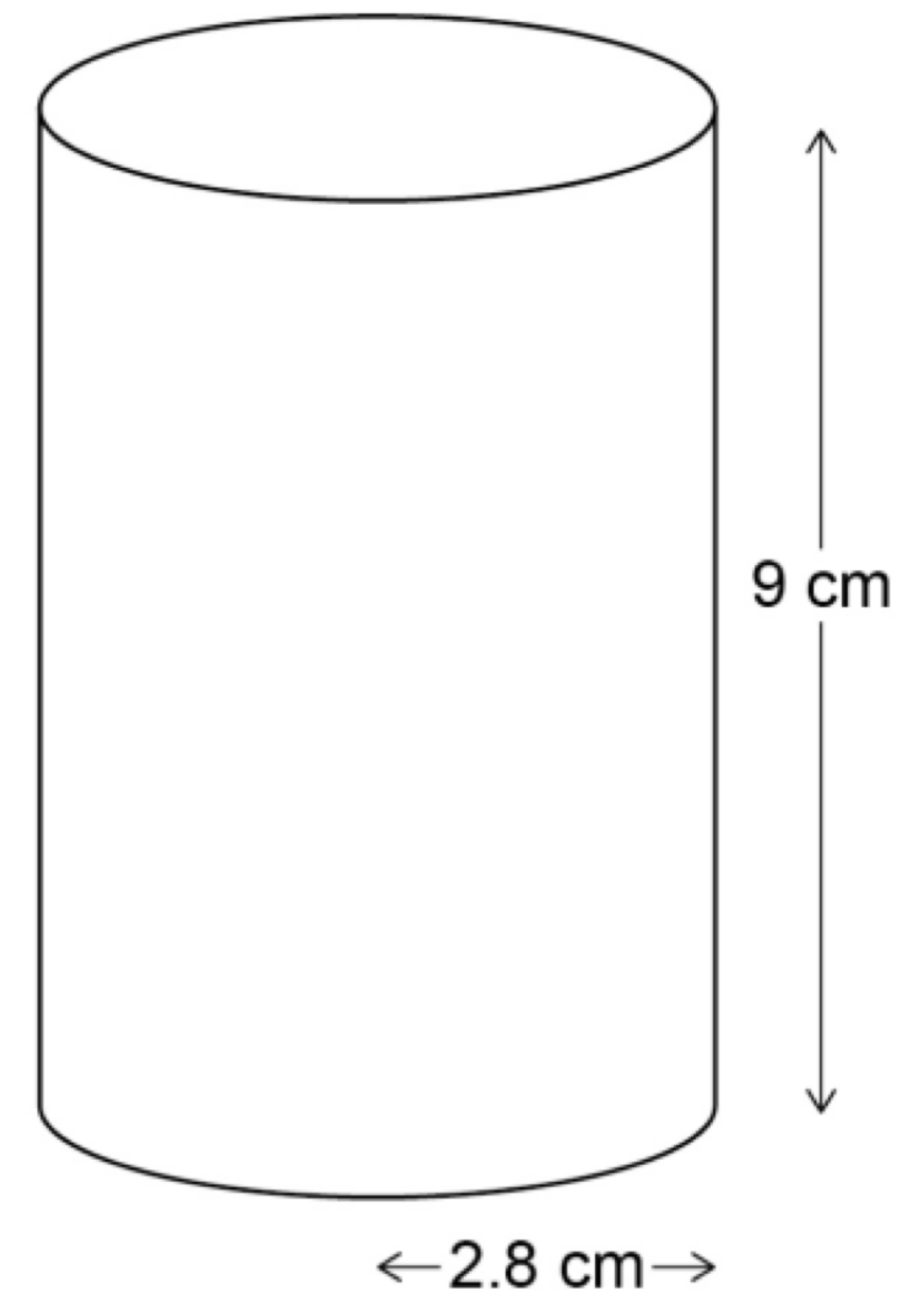
How to find the surface area of a cylinder



50. What is the surface area of the cylinder?

A
 207.5cm^2

B
 74.4cm^2



How to find the surface area of a cylinder



50. What is the surface area of the cylinder?

A

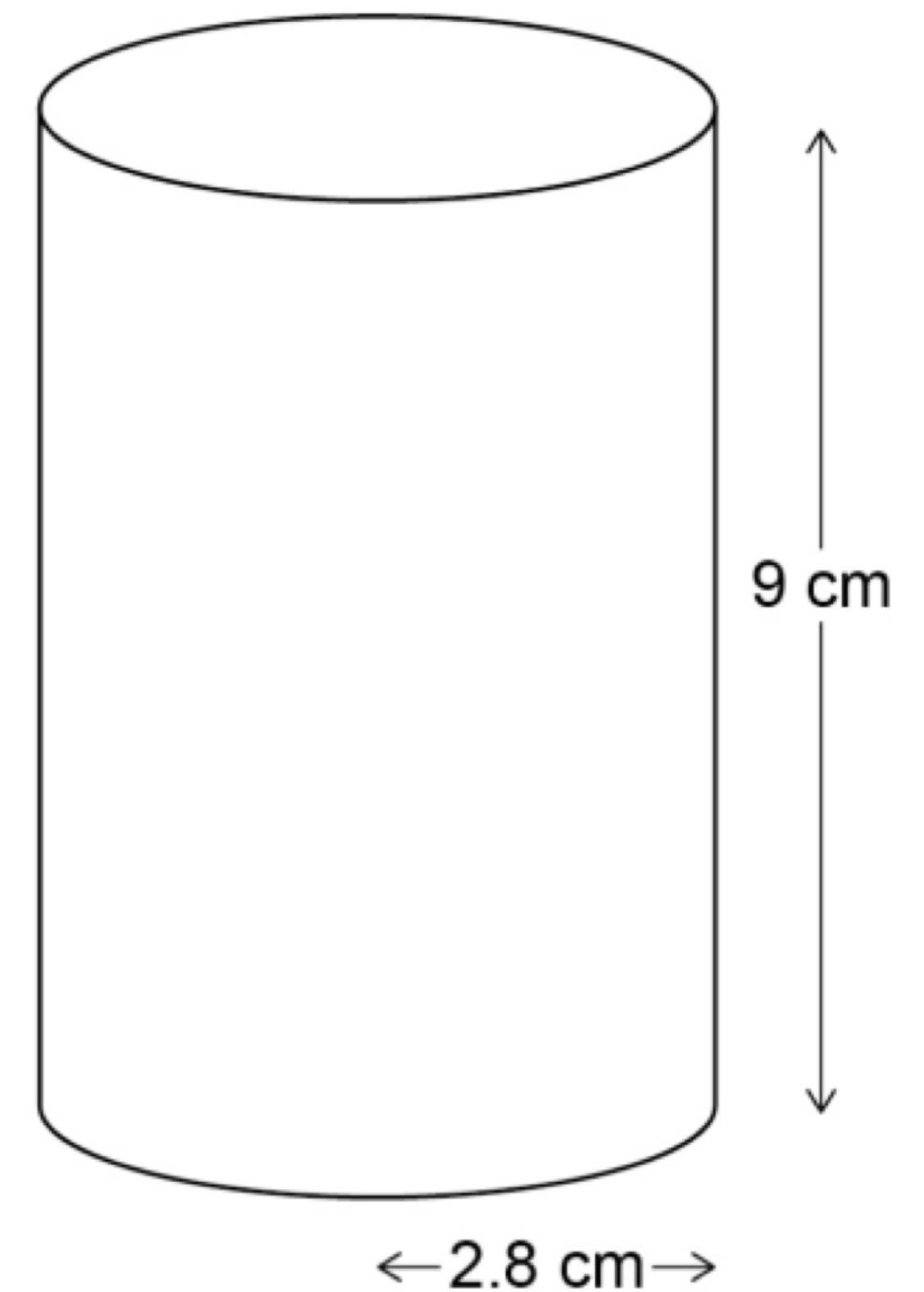
207.5cm^2

B

74.4cm^2

C

70.6cm^2



How to find the surface area of a cylinder



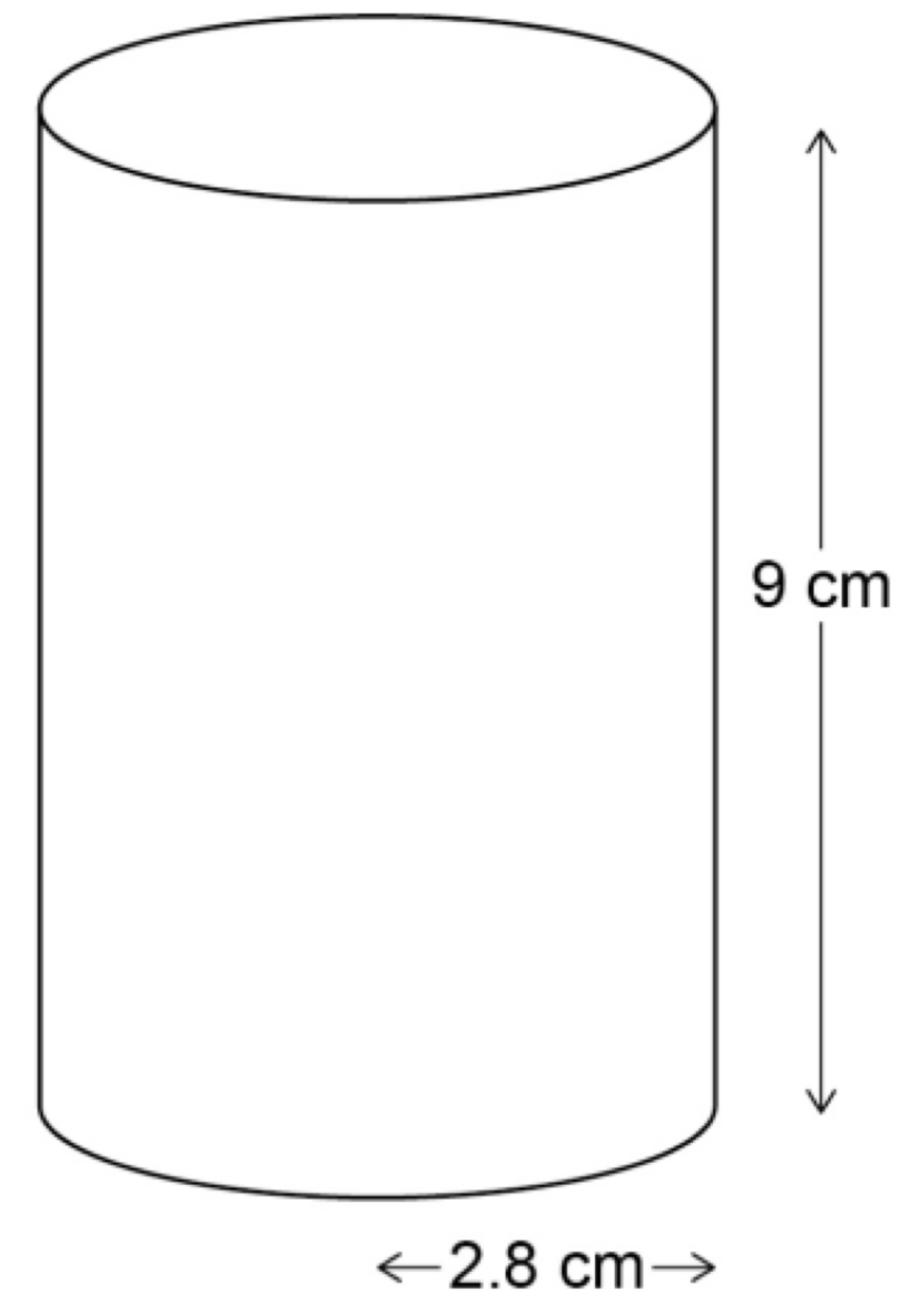
50. What is the surface area of the cylinder?

A
 207.5cm^2

B
 74.4cm^2

C
 70.6cm^2

D
 139.2cm^2



How to find the surface area of a cylinder



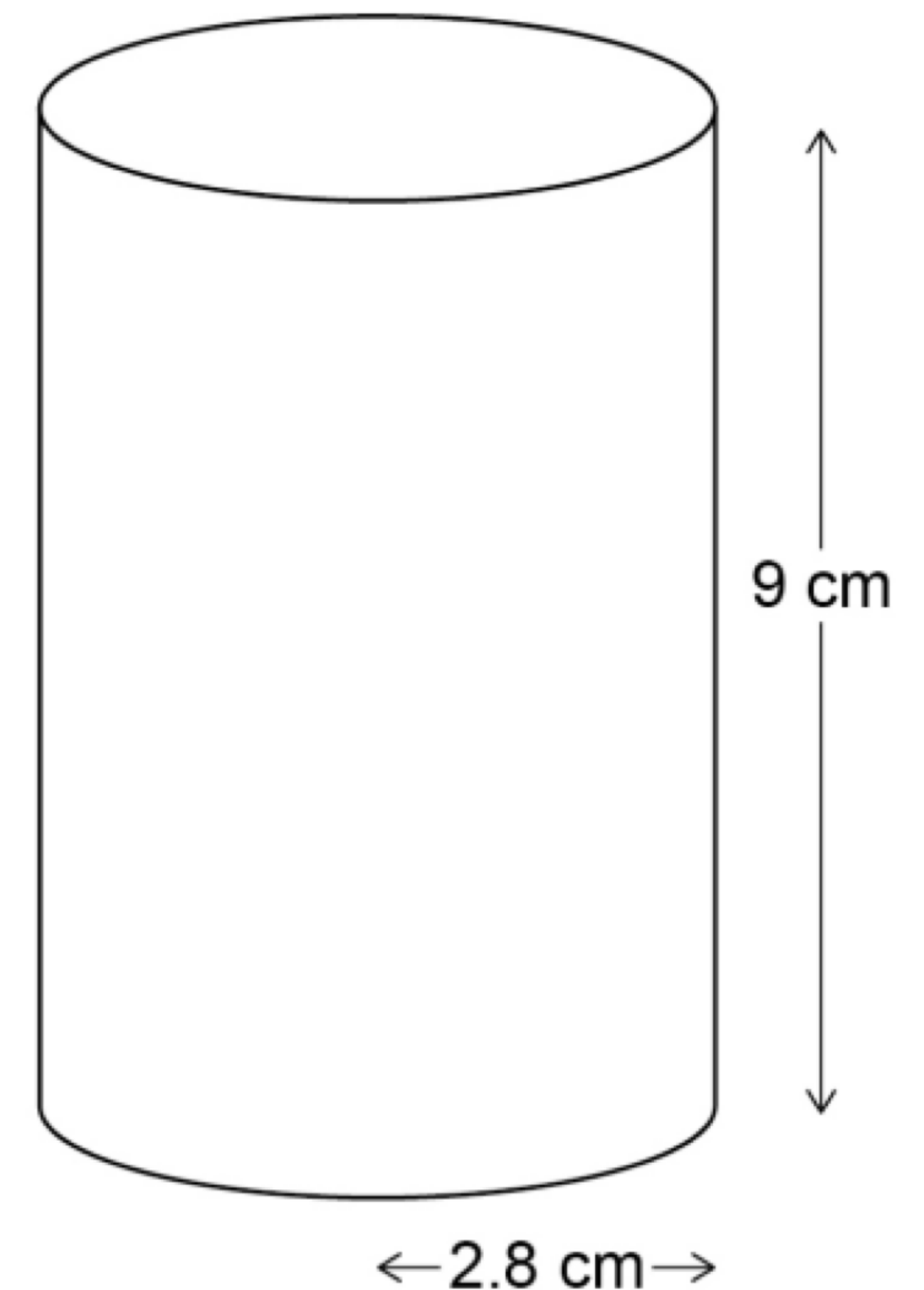
50. What is the surface area of the cylinder?

A
207.5cm²

B
74.4cm²

C
70.6cm²

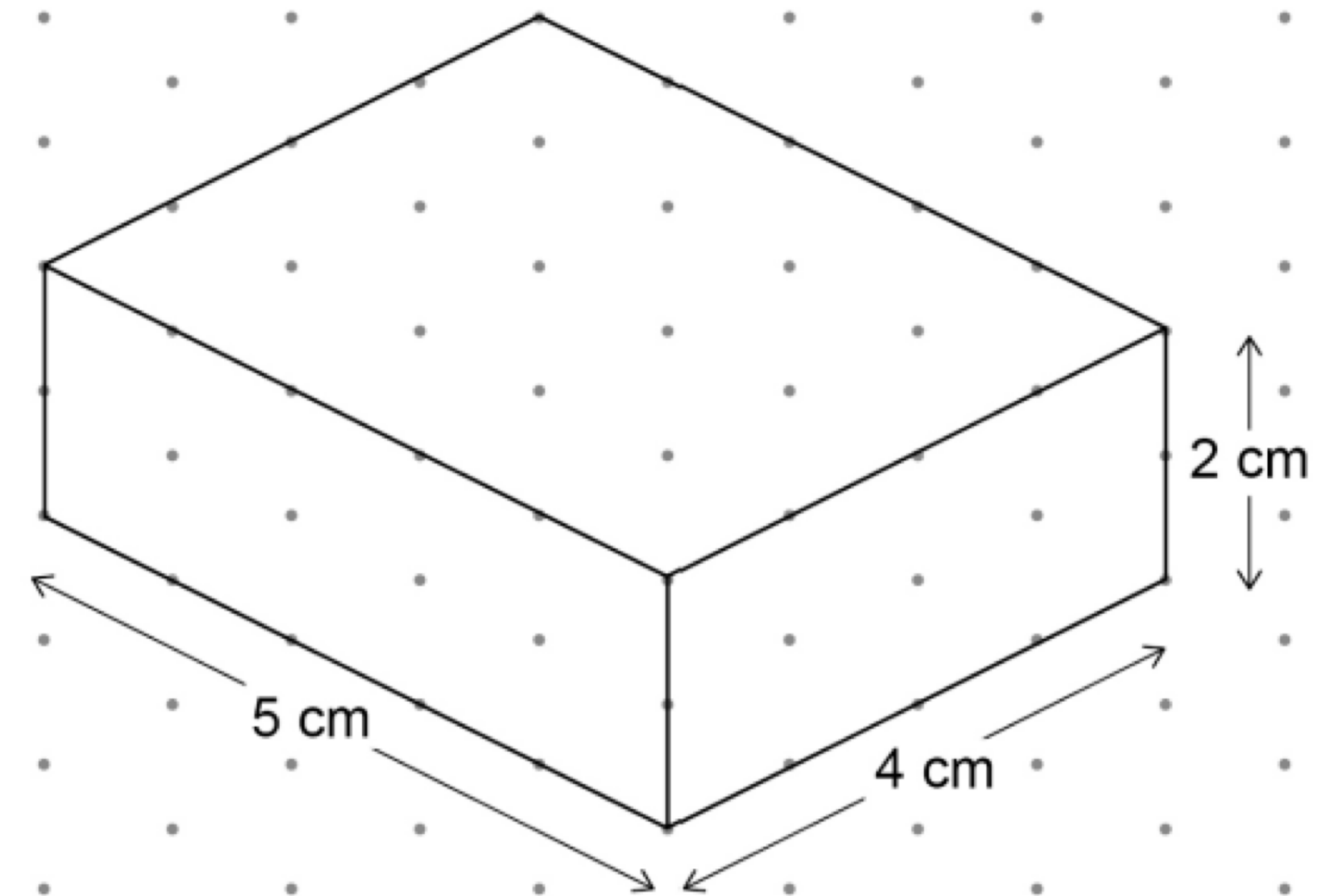
D
139.2cm²



How to find the surface area of a cuboid



51. What is the surface area of the cuboid?

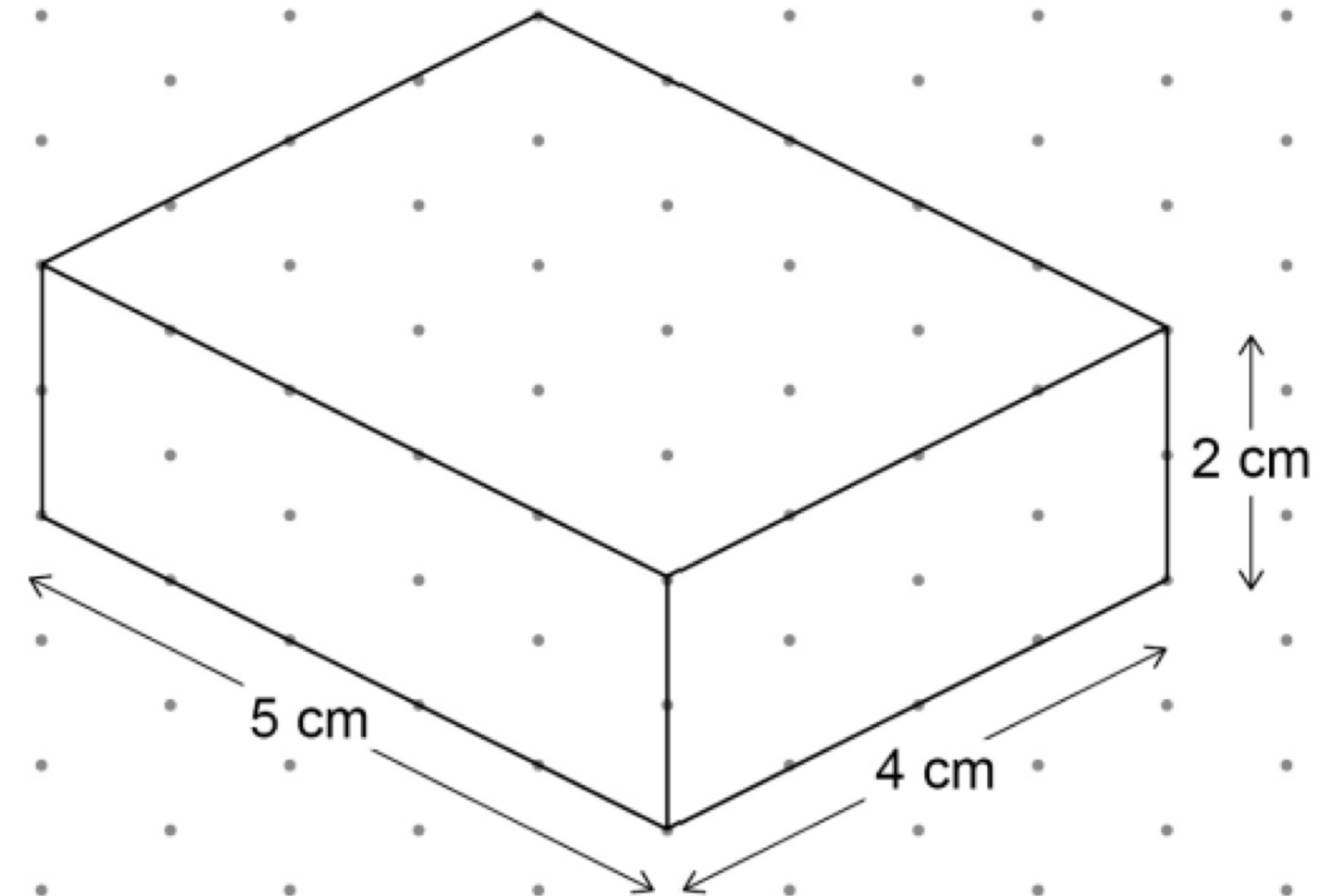


How to find the surface area of a cuboid



51. What is the surface area of the cuboid?

A
 40cm^2



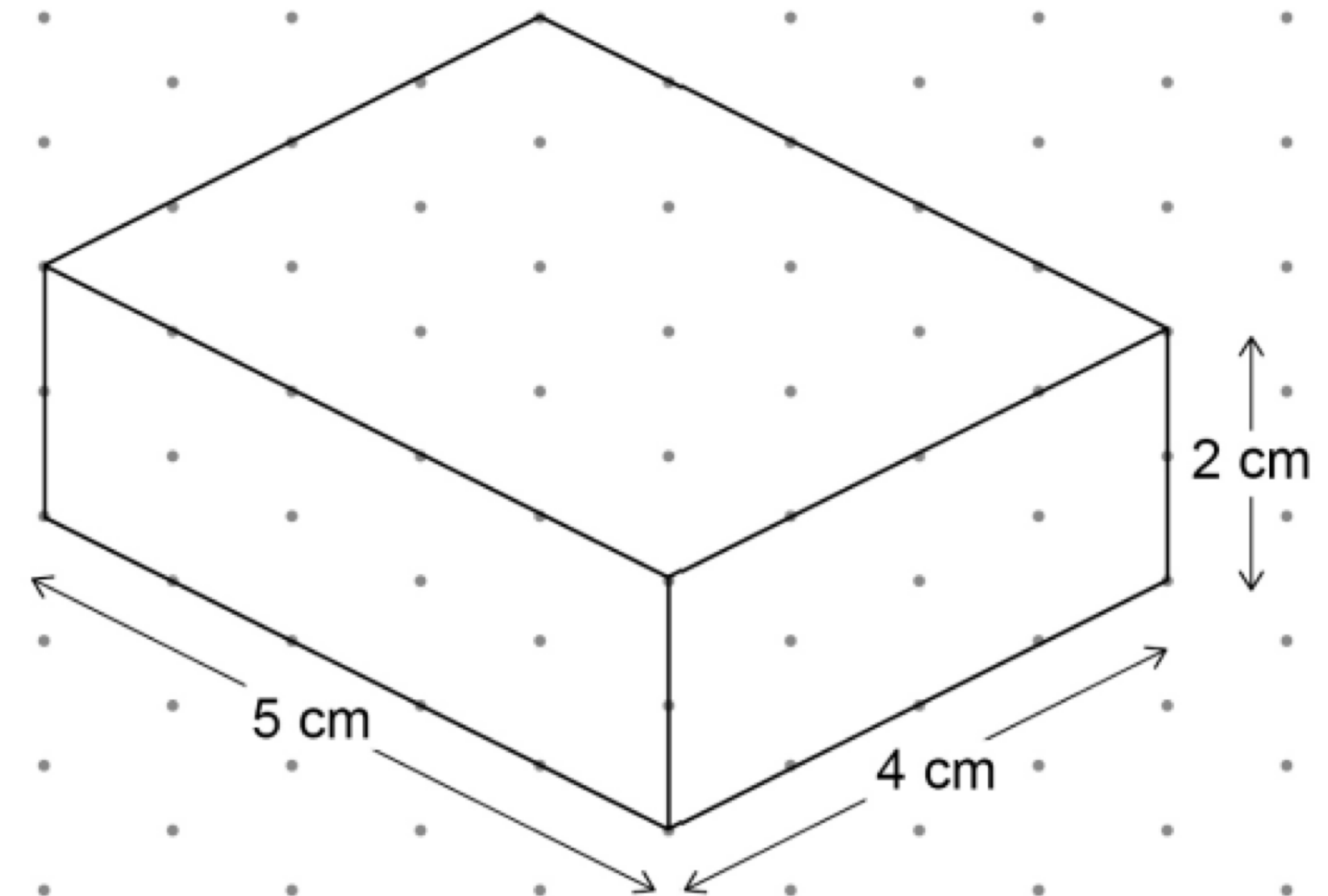
How to find the surface area of a cuboid



51. What is the surface area of the cuboid?

A
 40cm^2

B
 38cm^2



How to find the surface area of a cuboid

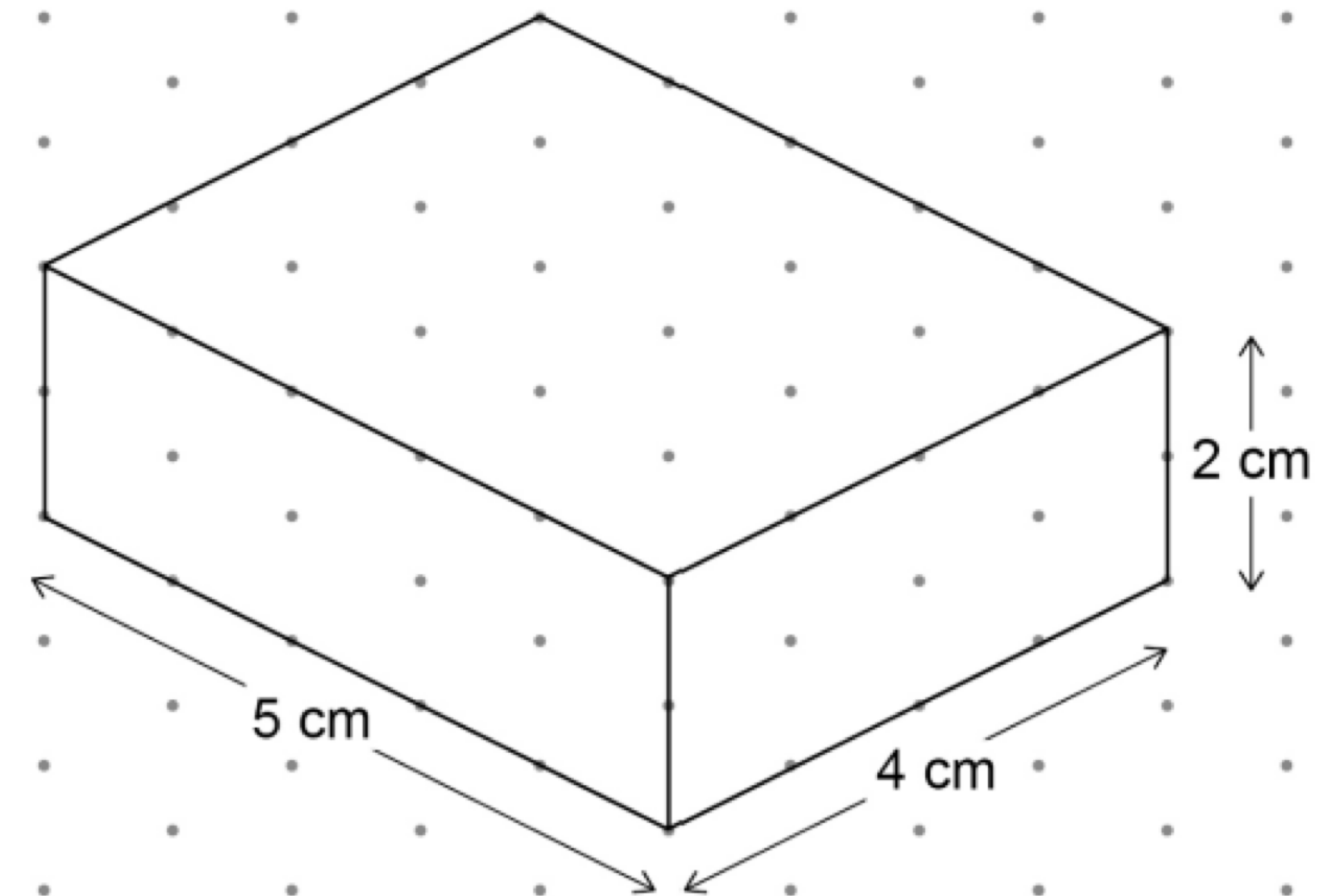


51. What is the surface area of the cuboid?

A
 40cm^2

B
 38cm^2

C
 76cm^2



How to find the surface area of a cuboid



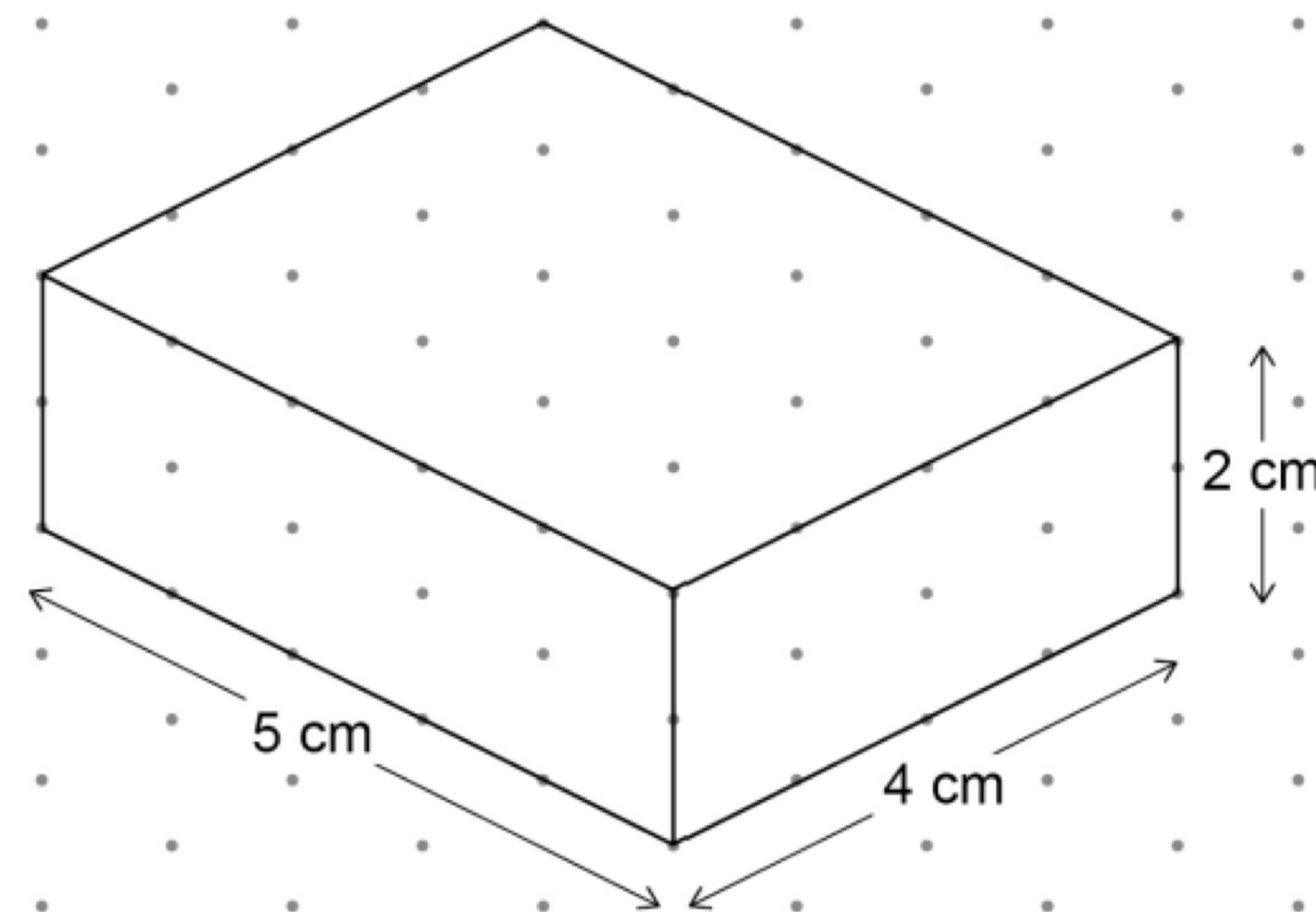
51. What is the surface area of the cuboid?

A
 40cm^2

B
 38cm^2

C
 76cm^2

D
 56cm^2



How to find the surface area of a cuboid



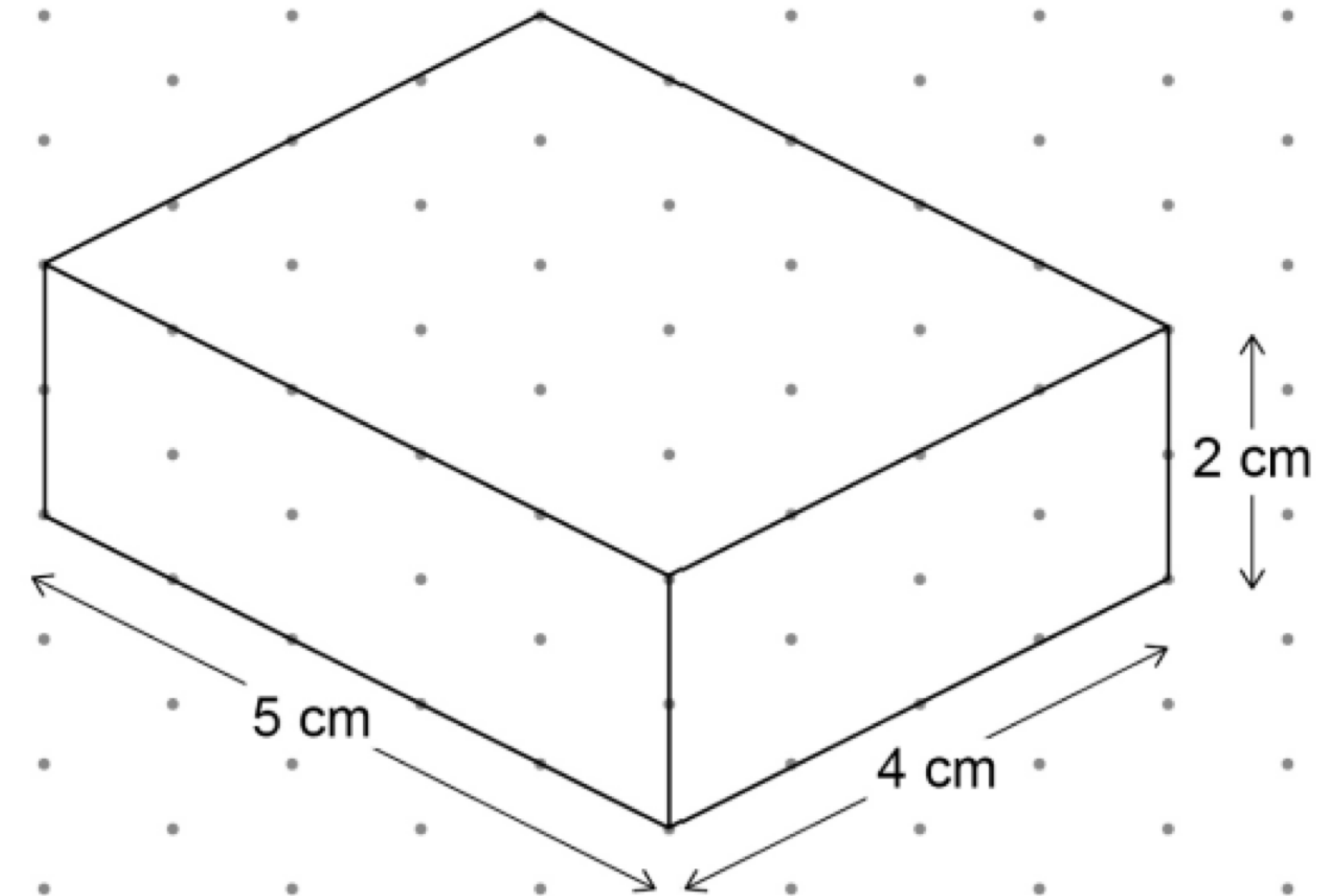
51. What is the surface area of the cuboid?

A
 40cm^2

B
 38cm^2

C
 76cm^2

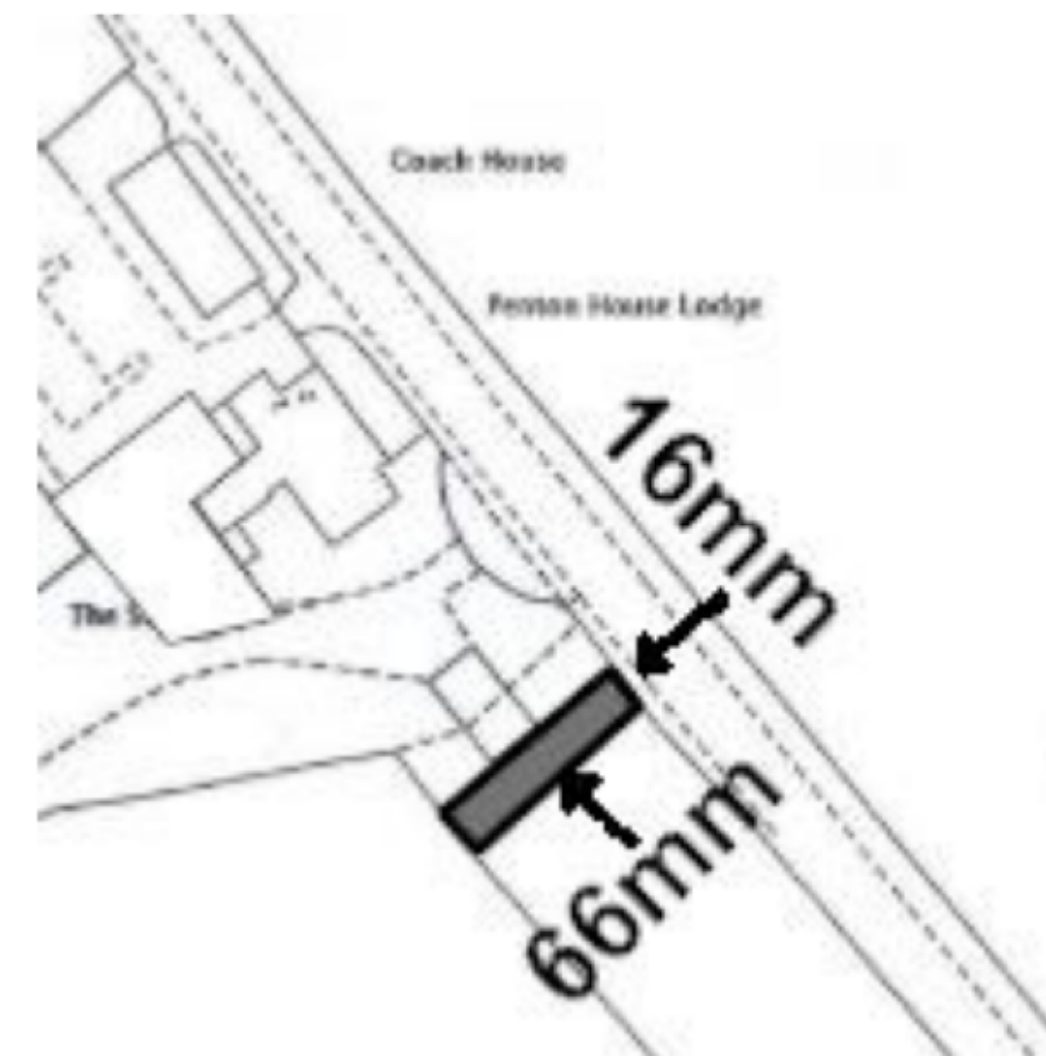
D
 56cm^2



How to calculate the real length from a scale drawing



52. Which is not the real width of the building plot?



Scale 1:1250

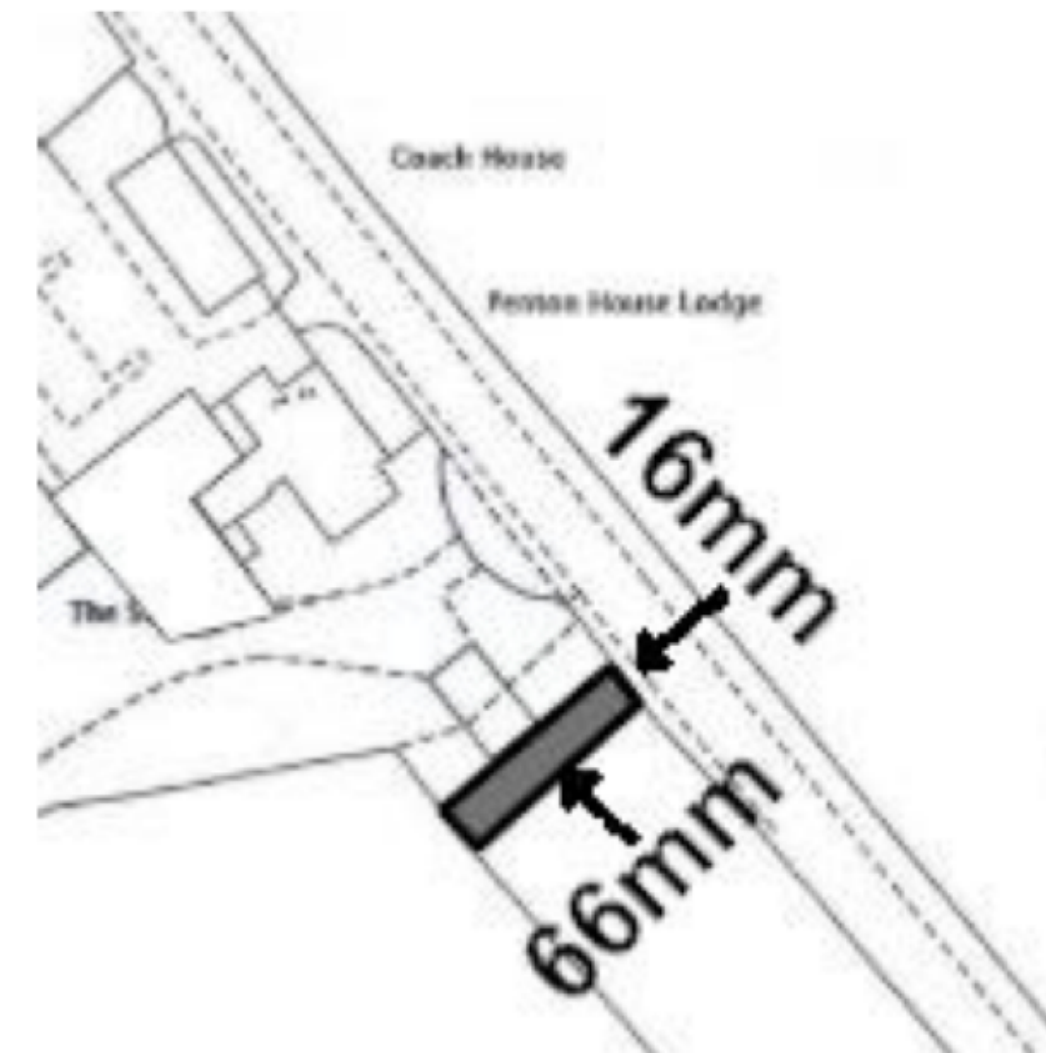
 = building land for sale

How to calculate the real length from a scale drawing



52. Which is not the real width of the building plot?

A
20,000mm



Scale 1:1250

 = building land for sale

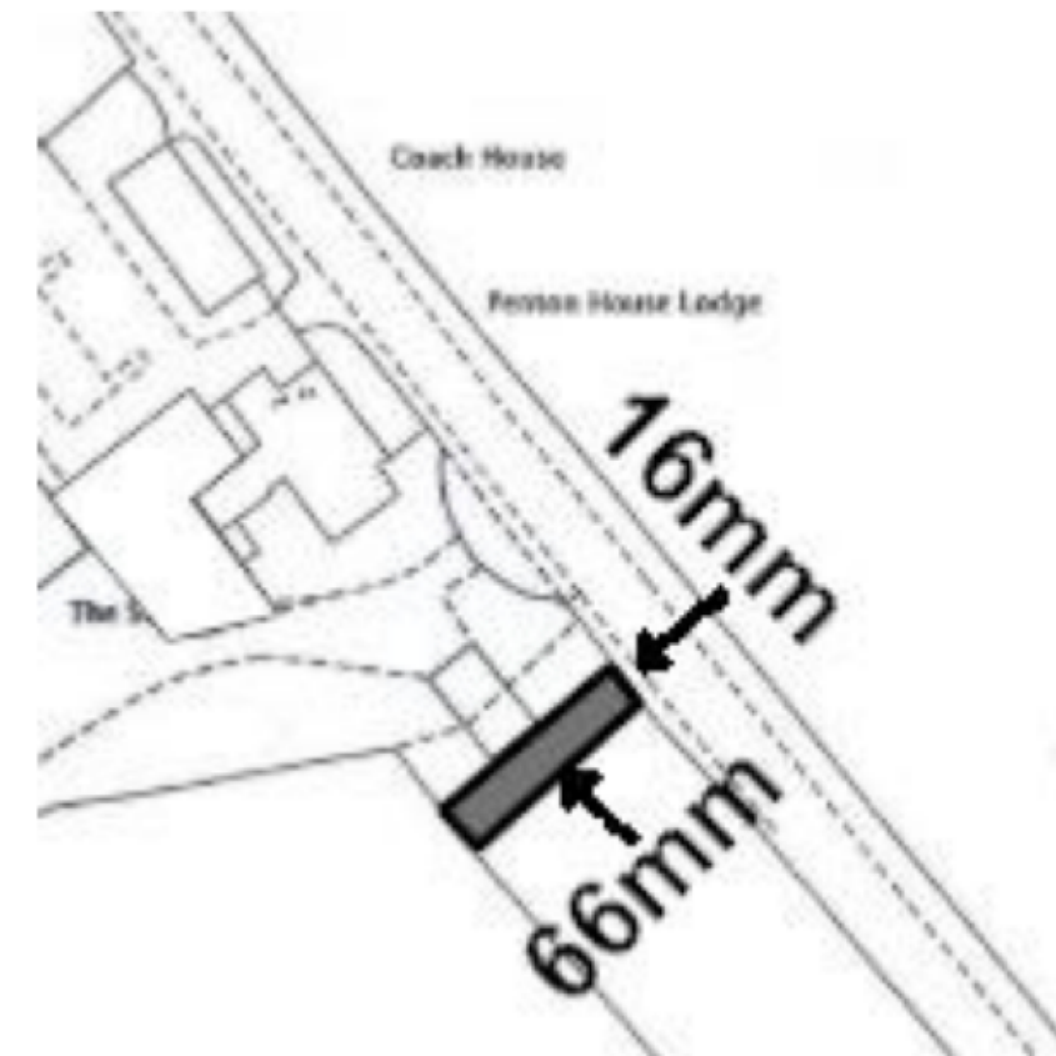
How to calculate the real length from a scale drawing



52. Which is not the real width of the building plot?

A
20,000mm

B
2000cm



Scale 1:1250

 = building land for sale

How to calculate the real length from a scale drawing

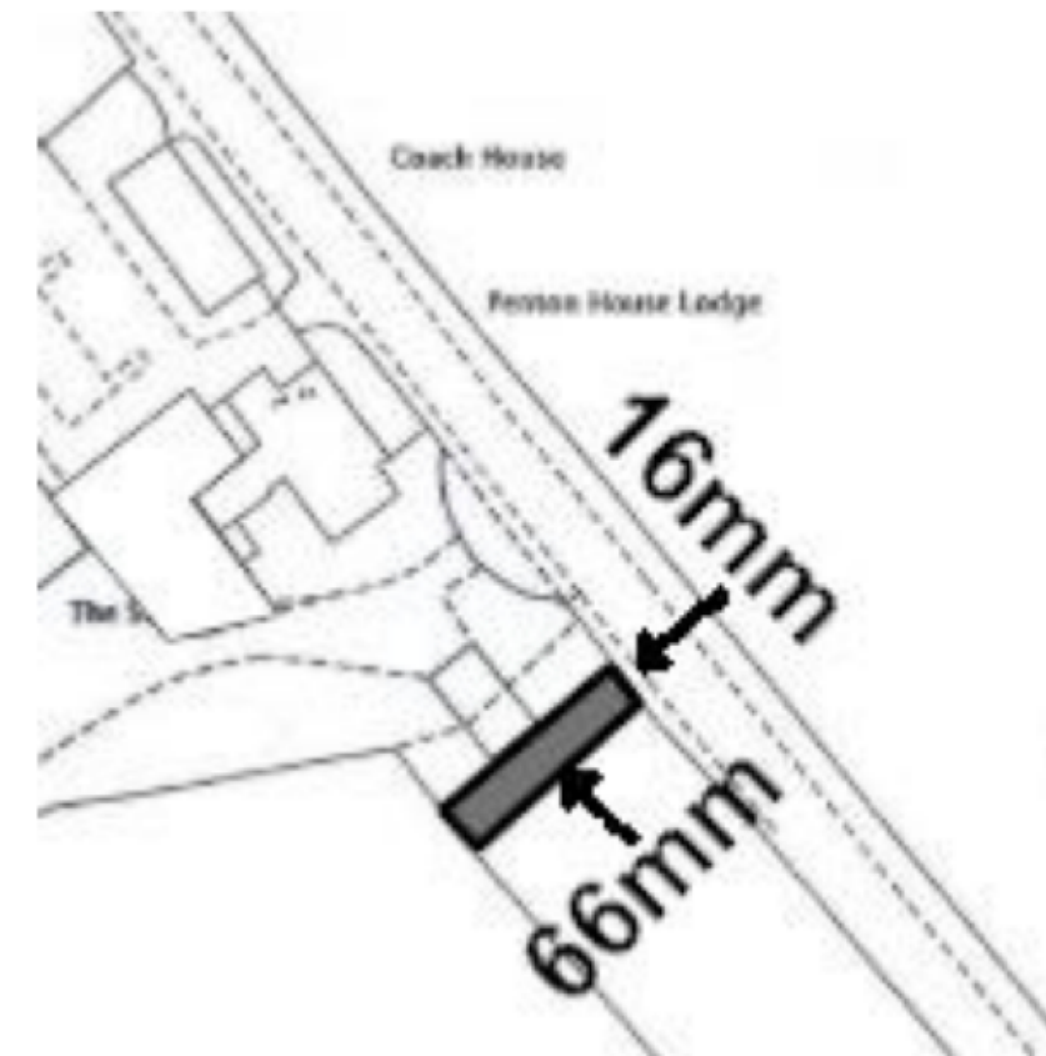


52. Which is not the real width of the building plot?

A
20,000mm

B
2000cm

C
200m



Scale 1:1250

 = building land for sale

How to calculate the real length from a scale drawing



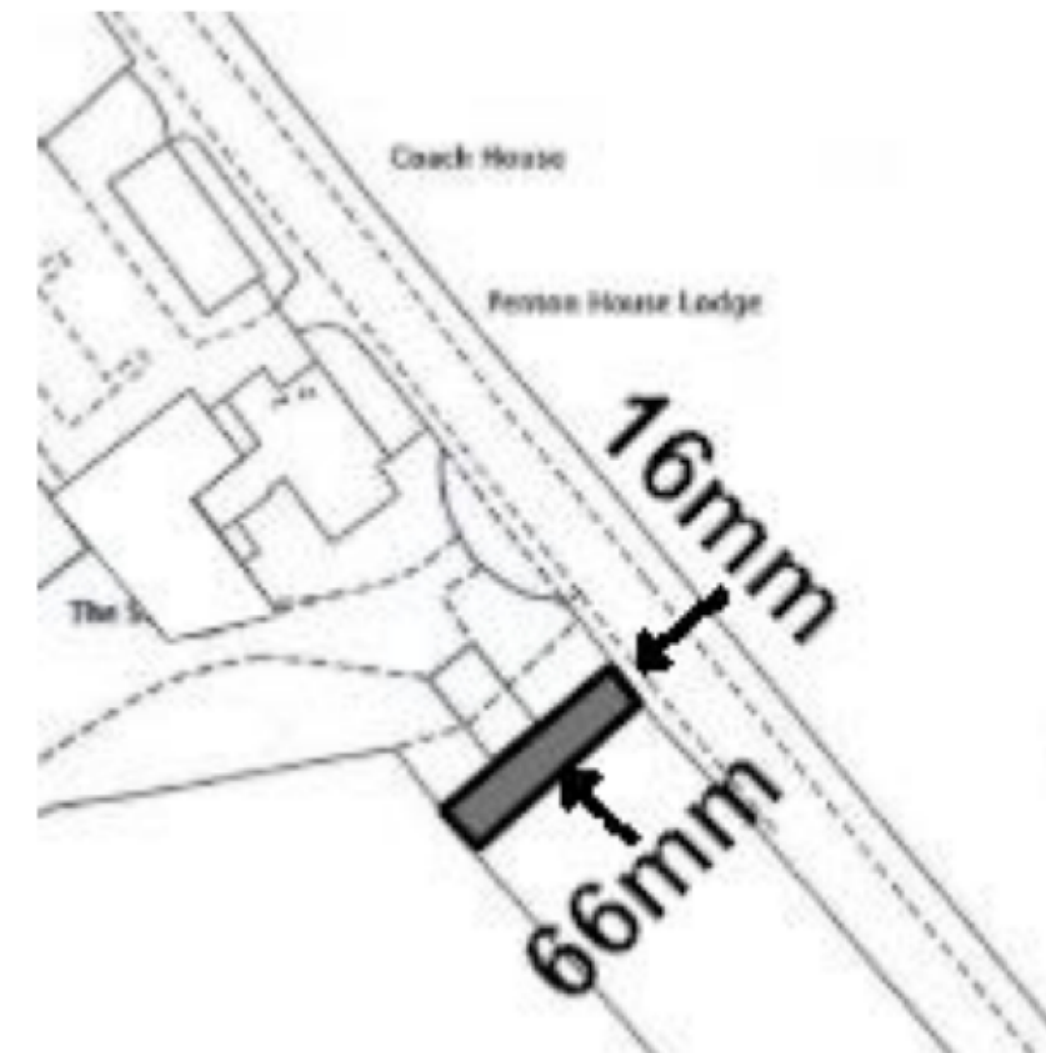
52. Which is not the real width of the building plot?

A
20,000mm

B
2000cm

C
200m

D
20m



Scale 1:1250

 = building land for sale

How to calculate the real length from a scale drawing



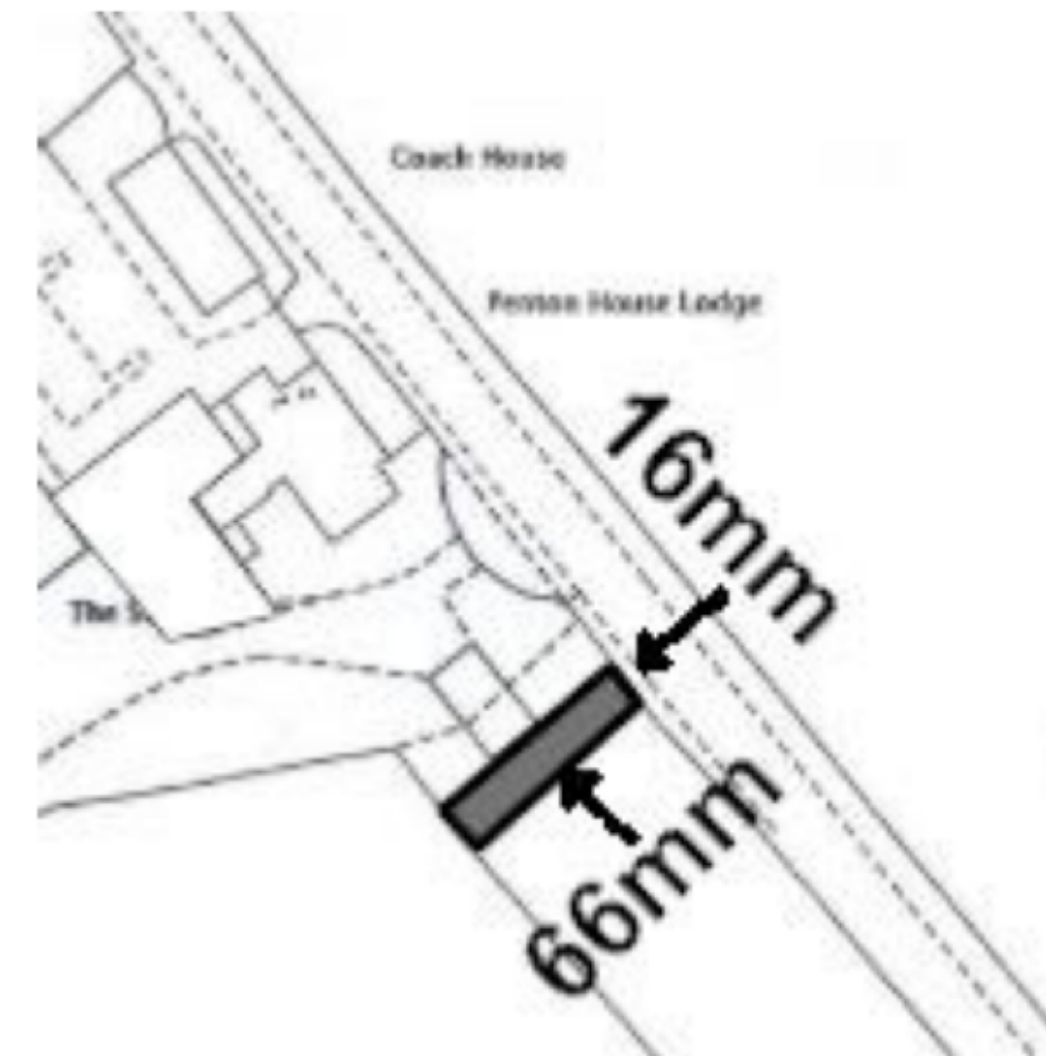
52. Which is not the real width of the building plot?

A
20,000mm

B
2000cm

C
200m

D
20m



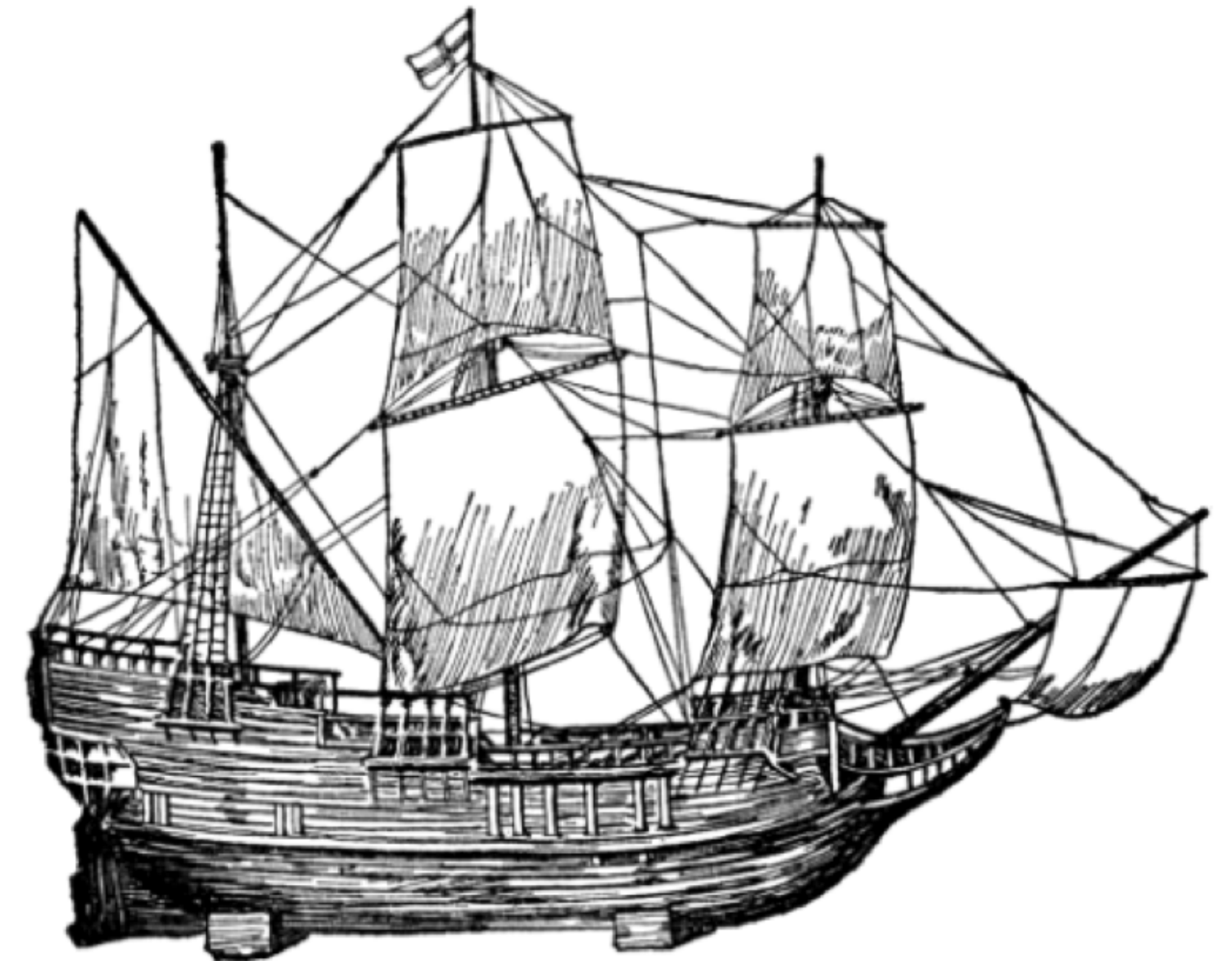
Scale 1:1250

 = building land for sale

How to make a scale diagram from actual measurements



53. This ship is 100ft long. A model of the ship is made using a scale of 1:50. How long will the model be?

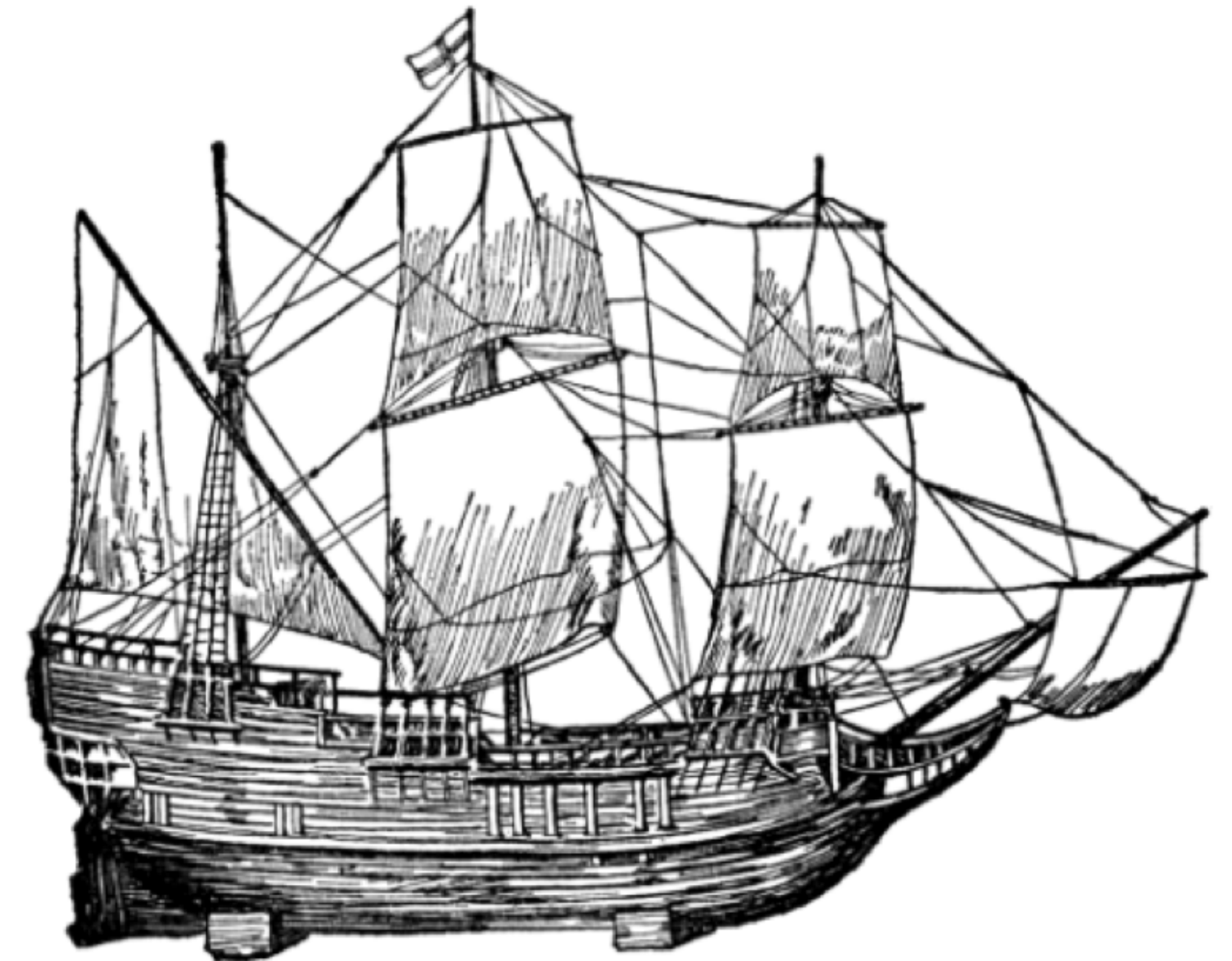


How to make a scale diagram from actual measurements



53. This ship is 100ft long. A model of the ship is made using a scale of 1:50. How long will the model be?

A
2ft



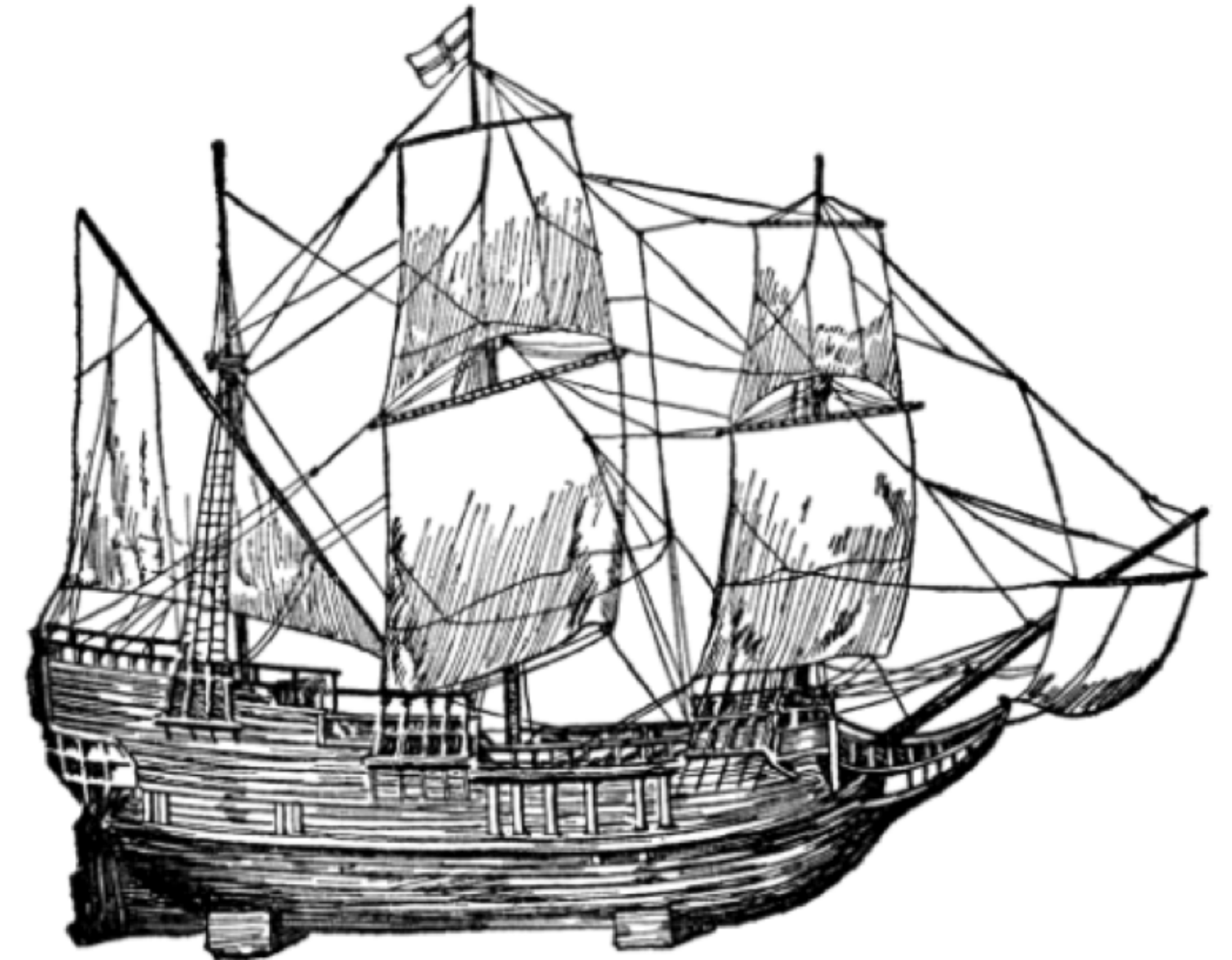
How to make a scale diagram from actual measurements



53. This ship is 100ft long. A model of the ship is made using a scale of 1:50. How long will the model be?

A
2ft

B
500ft



How to make a scale diagram from actual measurements

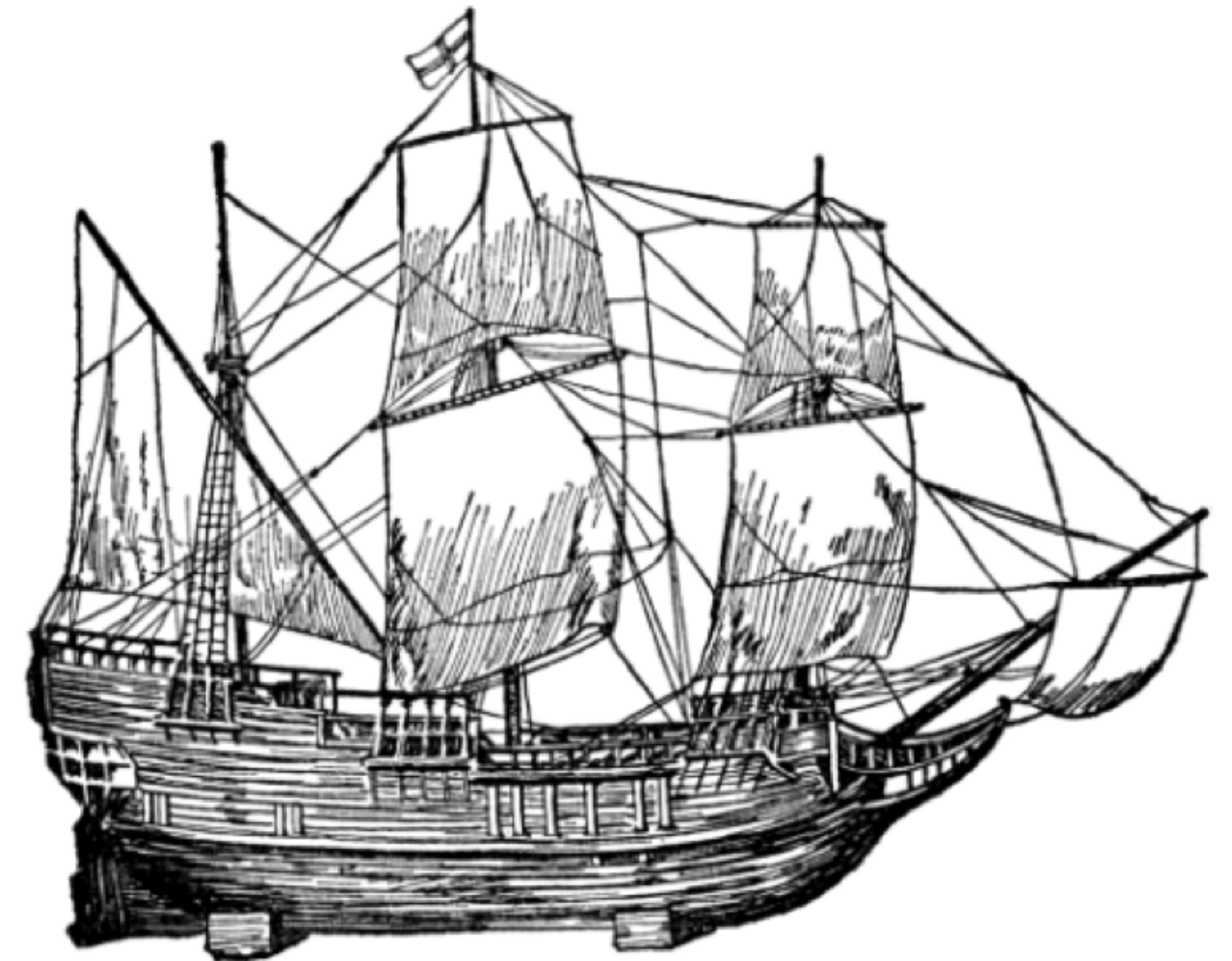


53. This ship is 100ft long. A model of the ship is made using a scale of 1:50. How long will the model be?

A
2ft

B
500ft

C
50ft



How to make a scale diagram from actual measurements



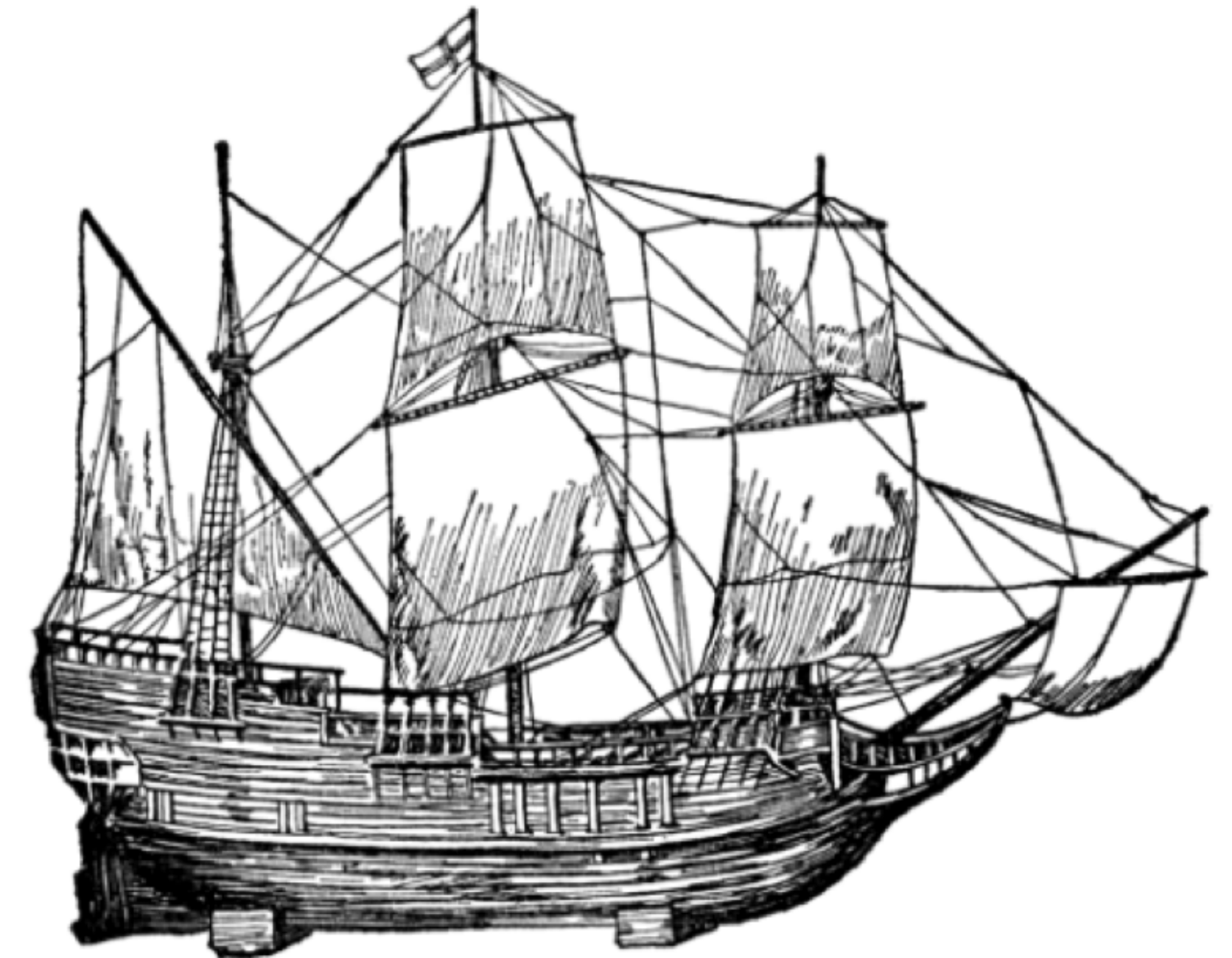
53. This ship is 100ft long. A model of the ship is made using a scale of 1:50. How long will the model be?

A
2ft

B
500ft

C
50ft

D
1ft



How to make a scale diagram from actual measurements



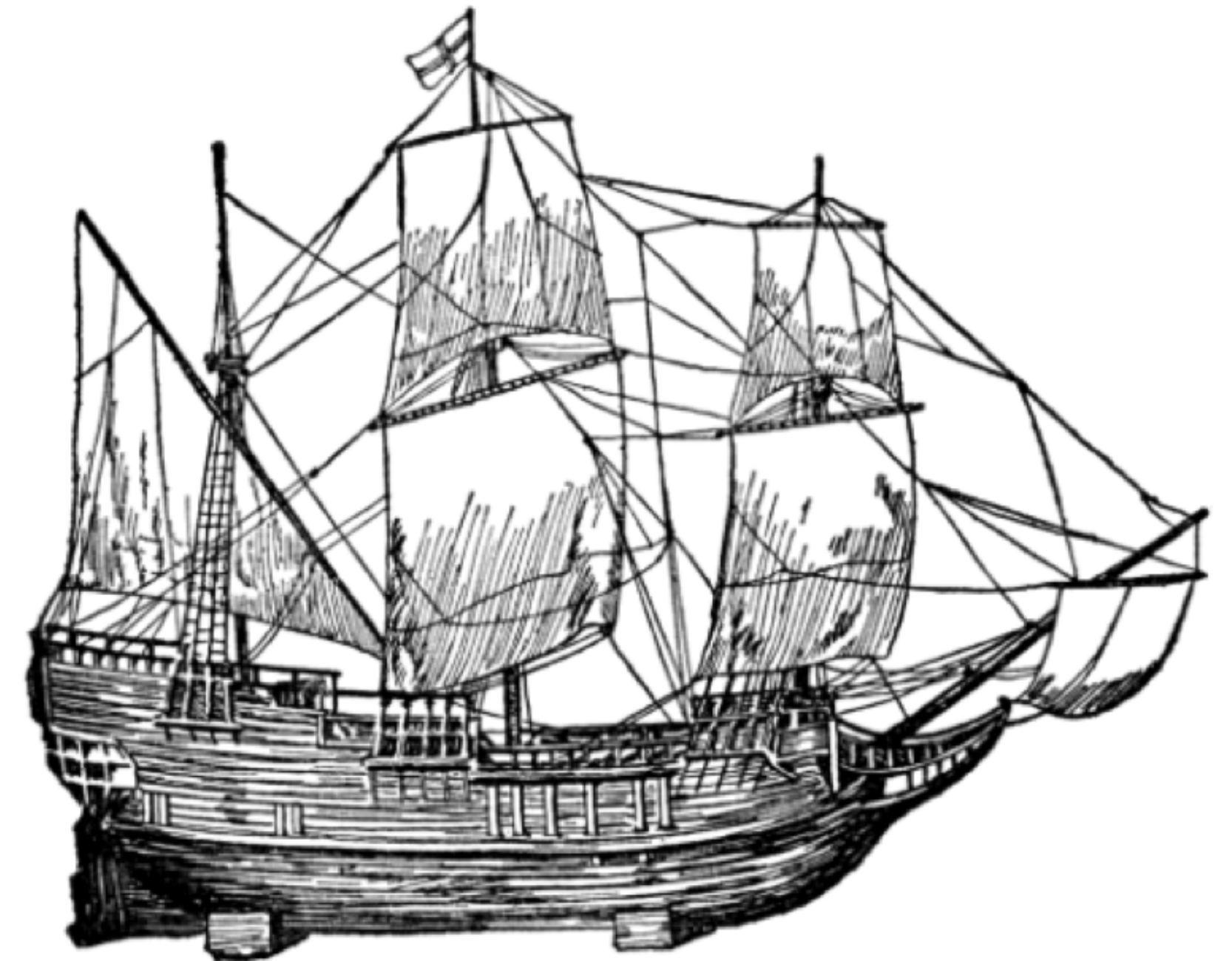
53. This ship is 100ft long. A model of the ship is made using a scale of 1:50. How long will the model be?

A
2ft

B
500ft

C
50ft

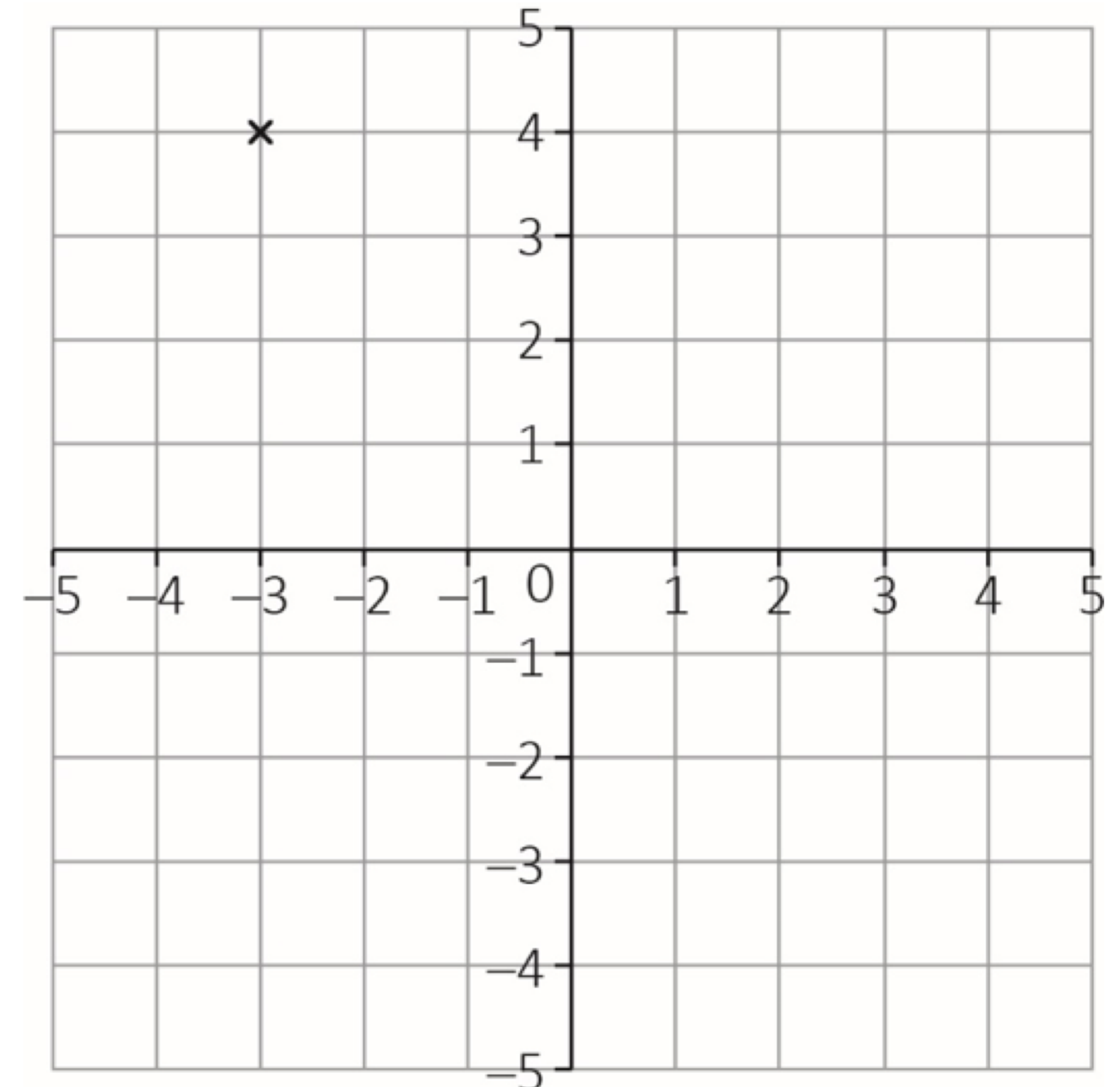
D
1ft



How to plot coordinates on a coordinate grid



54. What are the coordinates of the point?

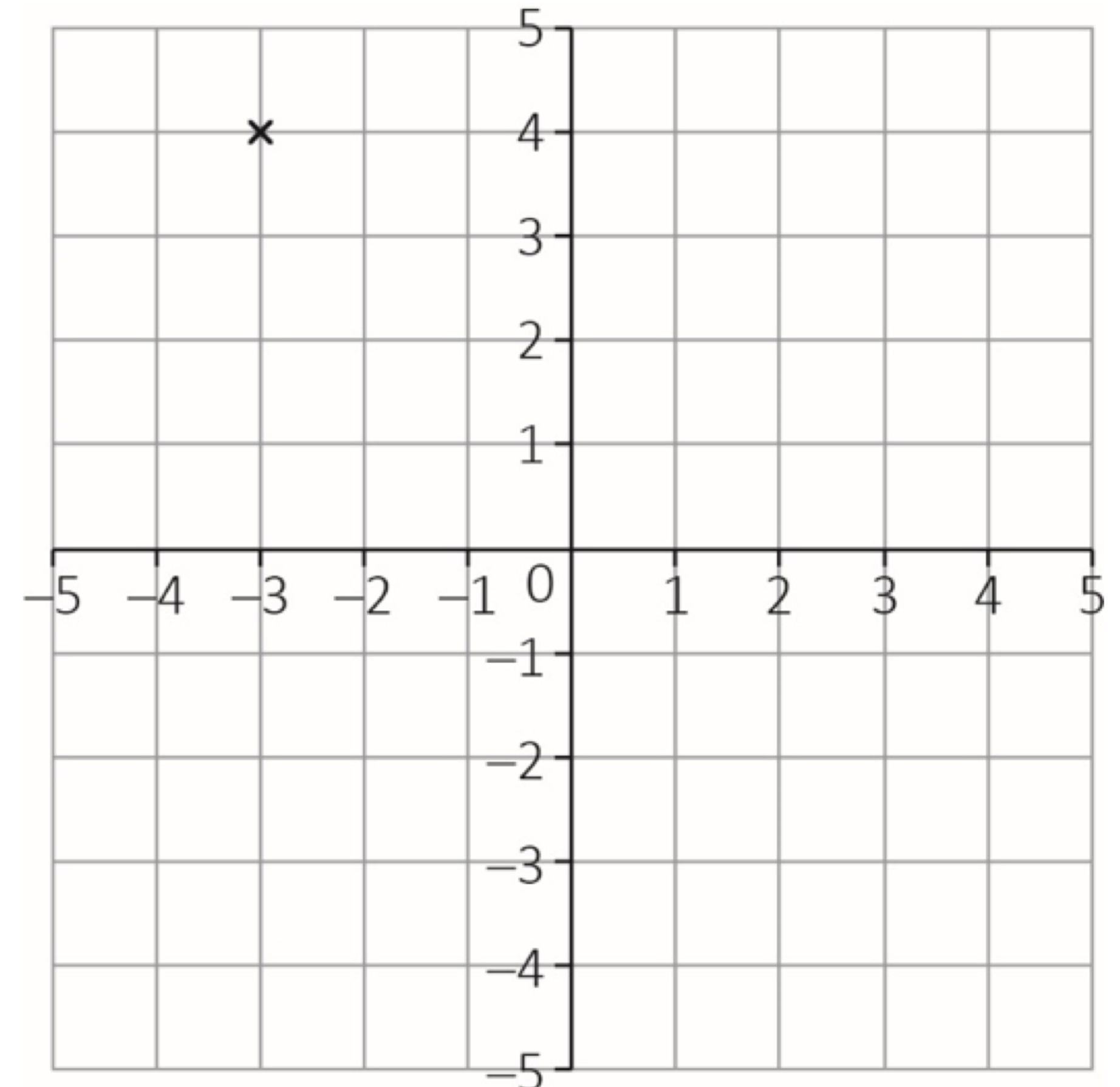


How to plot coordinates on a coordinate grid



54. What are the coordinates of the point?

A
(4,-3)



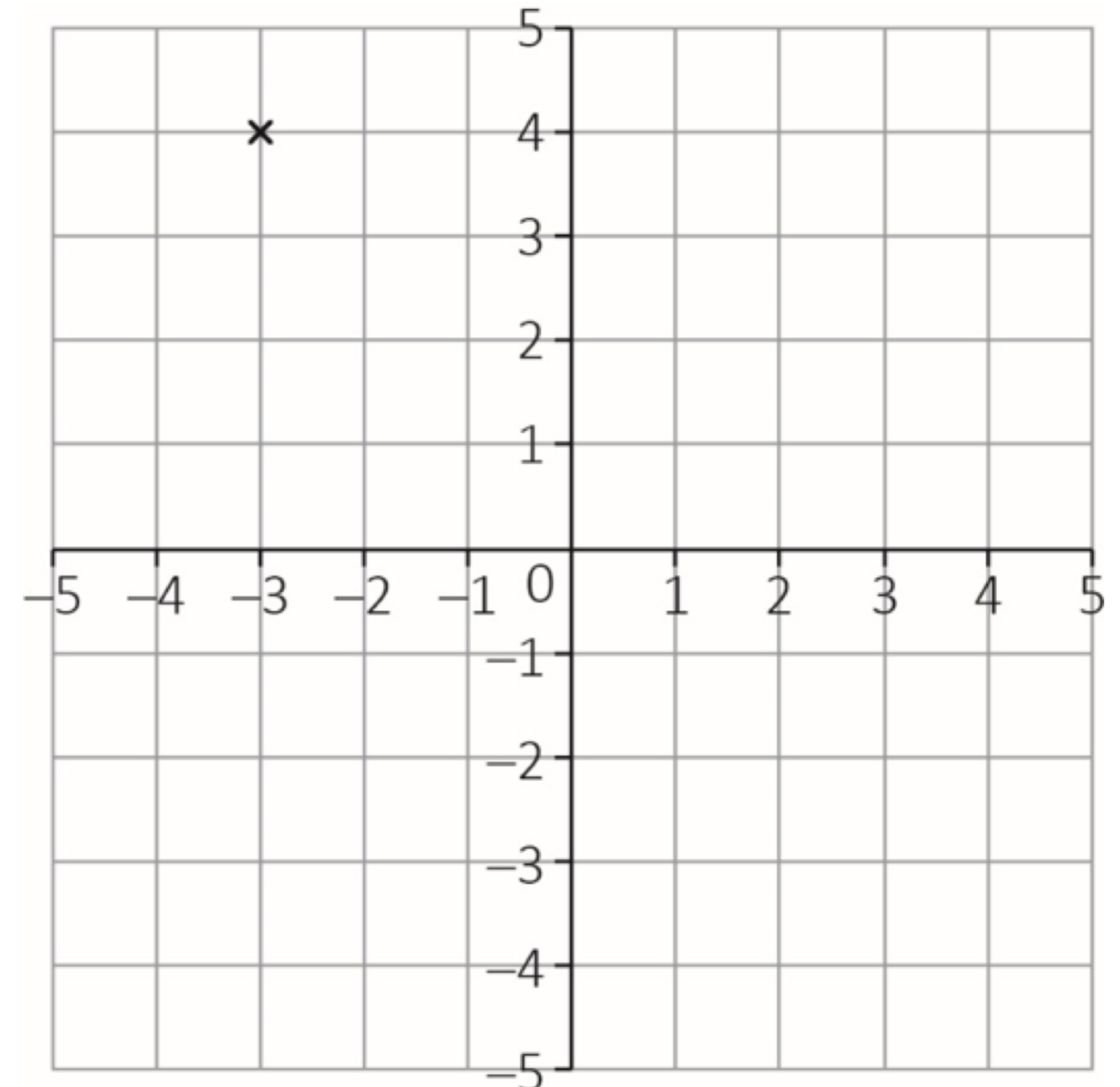
How to plot coordinates on a coordinate grid



54. What are the coordinates of the point?

A
(4,-3)

B
(3,4)



How to plot coordinates on a coordinate grid

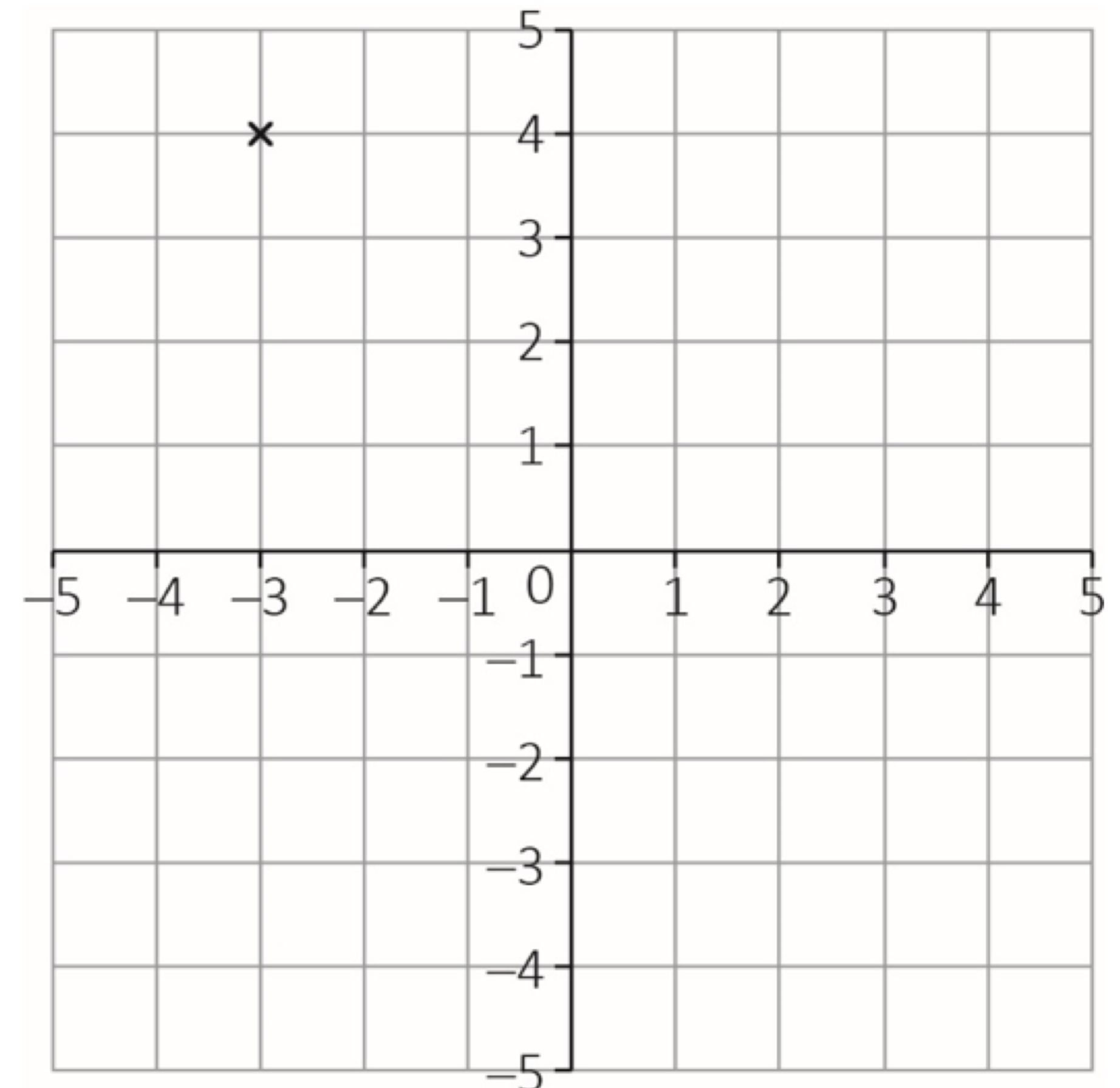


54. What are the coordinates of the point?

A
(4,-3)

B
(3,4)

C
(-3,-4)



How to plot coordinates on a coordinate grid



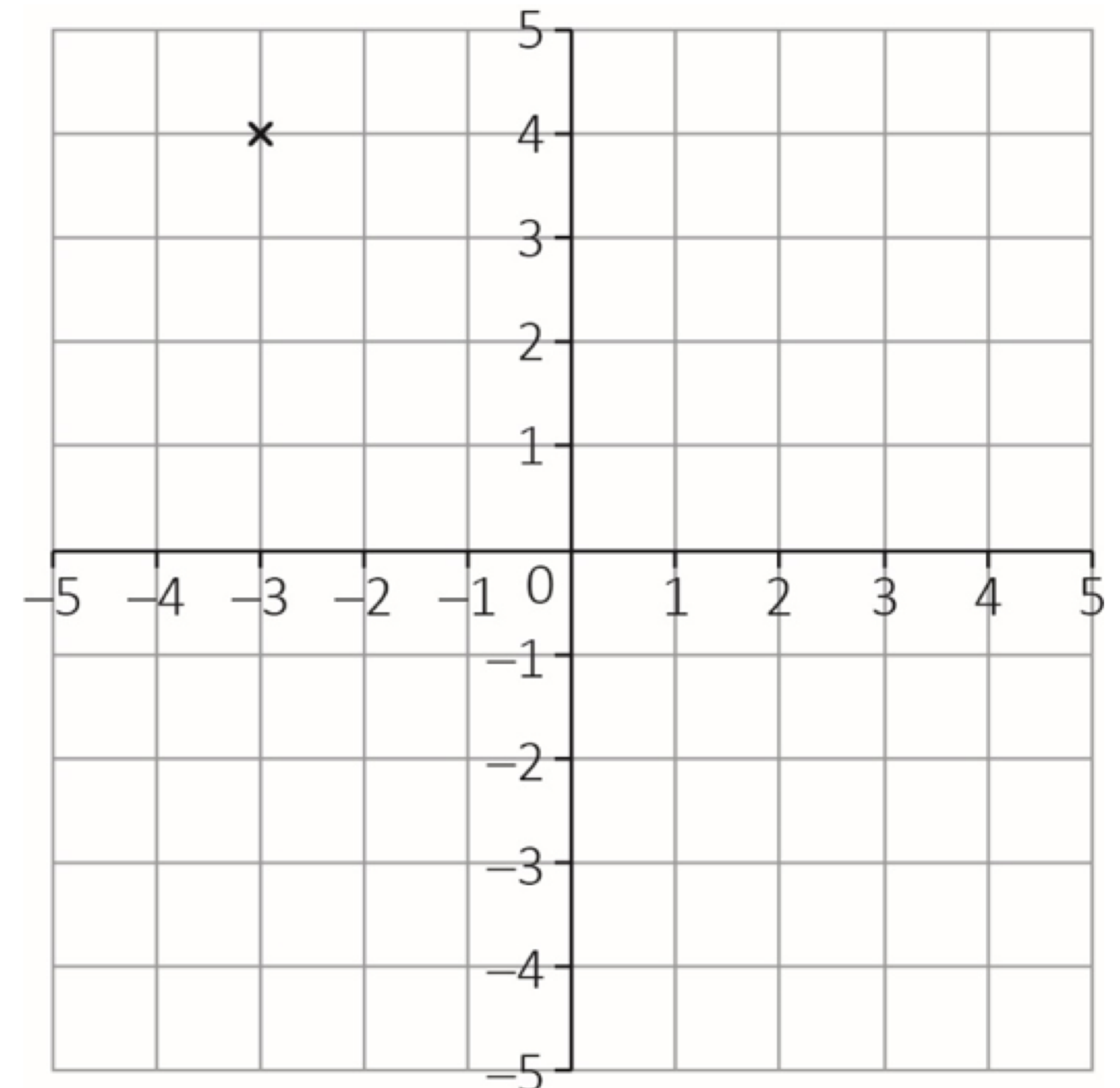
54. What are the coordinates of the point?

A
(4,-3)

B
(3,4)

C
(-3,-4)

D
(-3,4)



How to plot coordinates on a coordinate grid



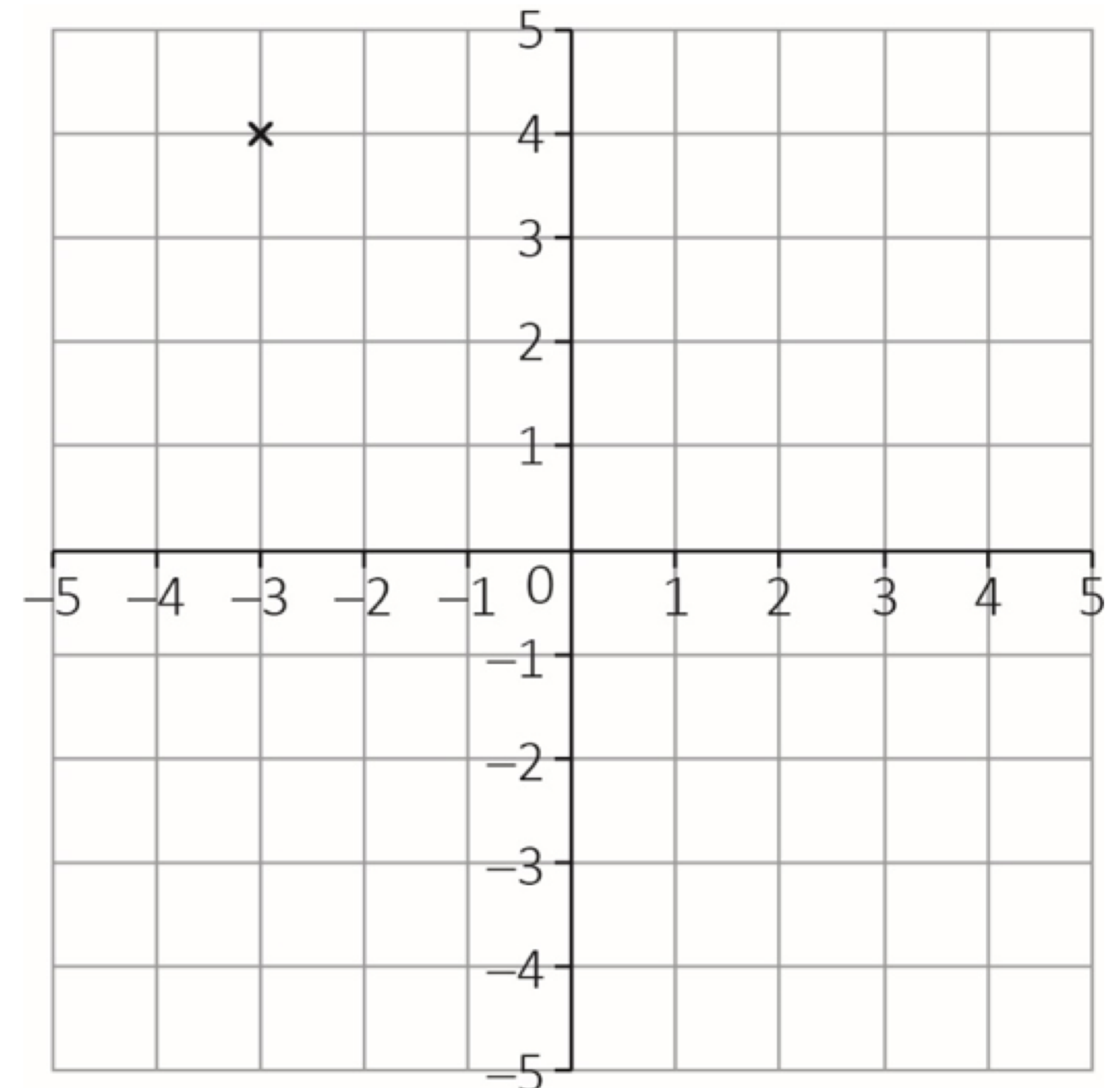
54. What are the coordinates of the point?

A
(4,-3)

B
(3,4)

C
(-3,-4)

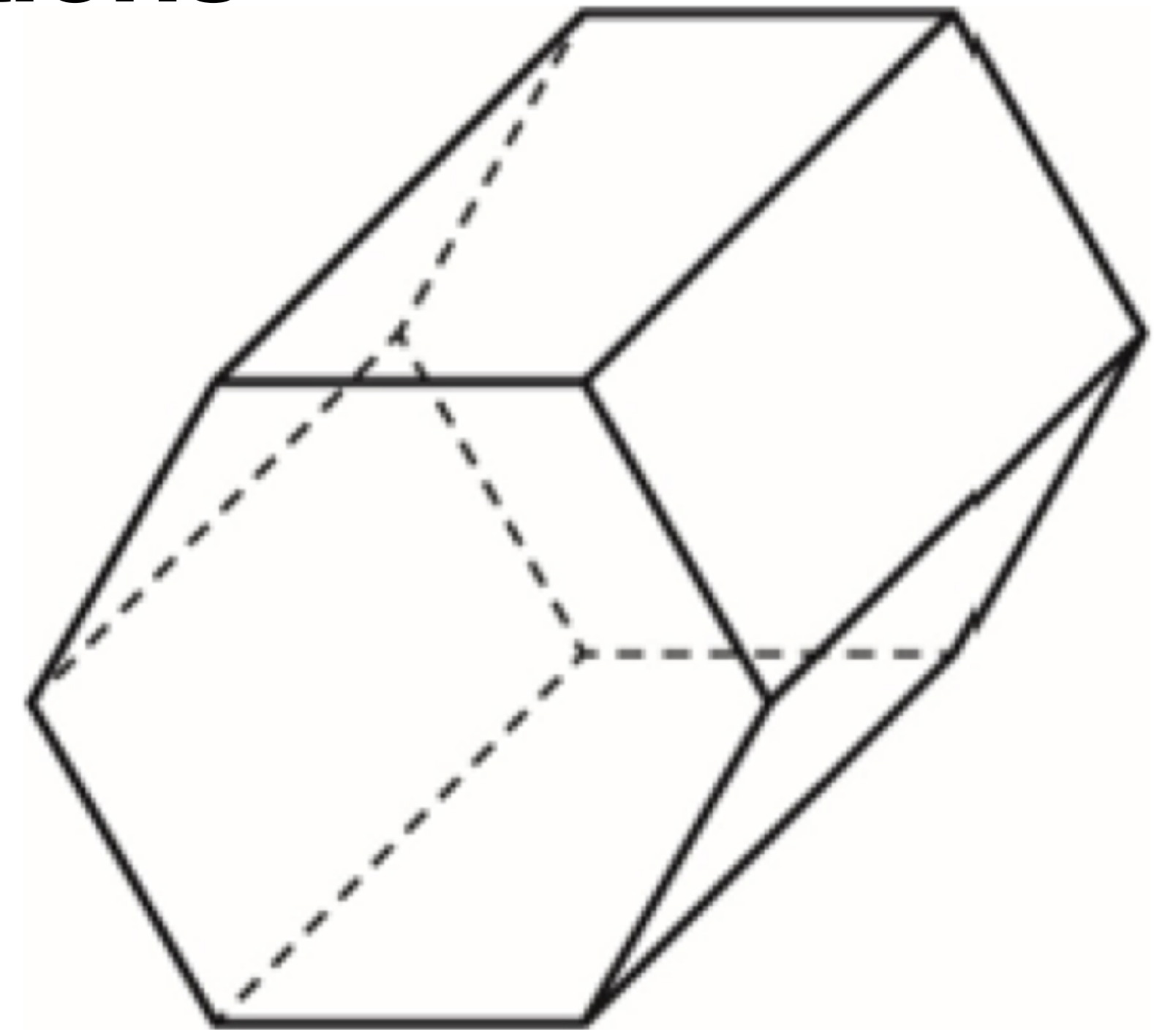
D
(-3,4)



How to recognise 2D interpretations of 3D shapes



55. What shape is used on the side sections of the hexagonal prism?

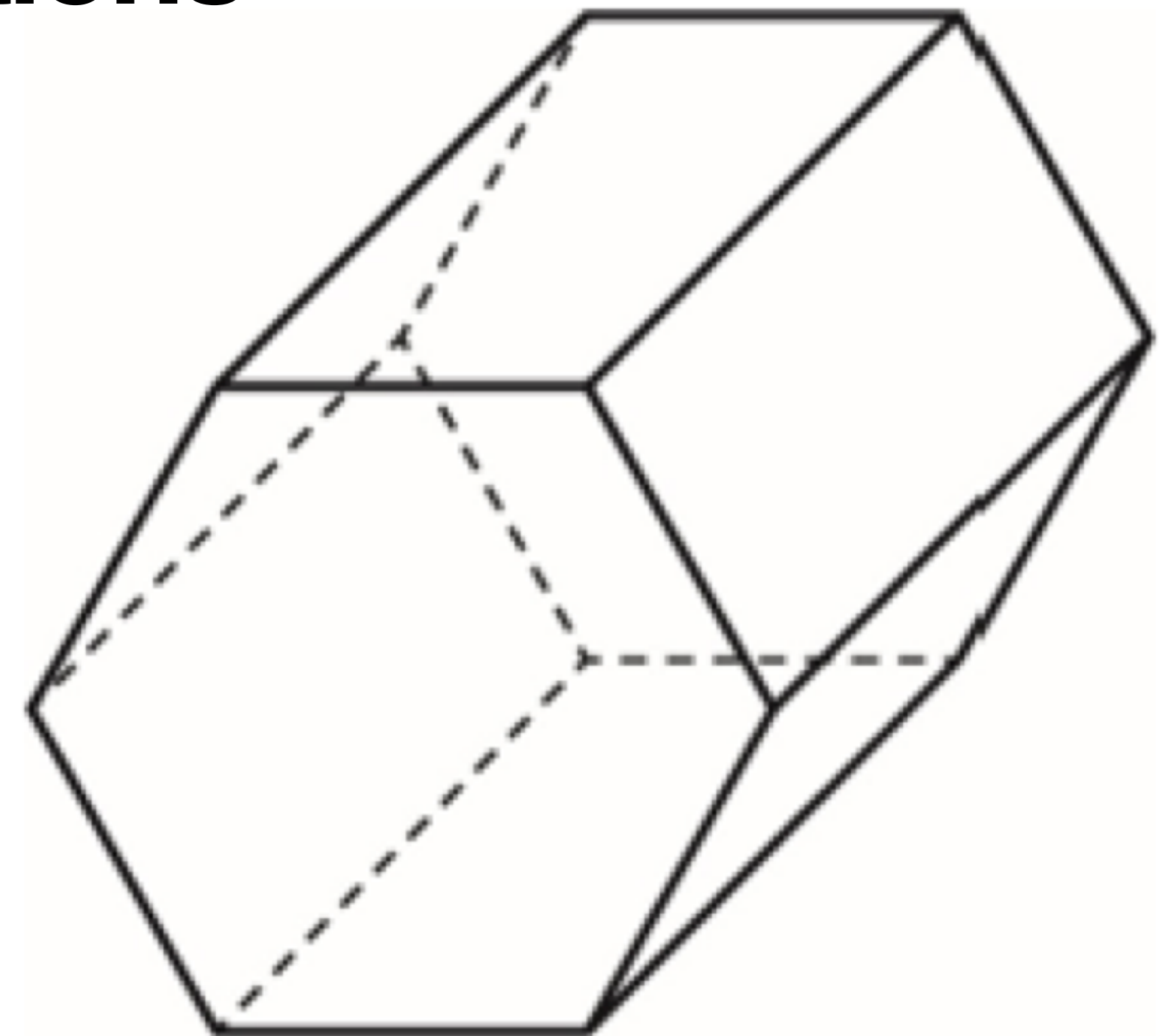


How to recognise 2D interpretations of 3D shapes



55. What shape is used on the side sections of the hexagonal prism?

A
Square



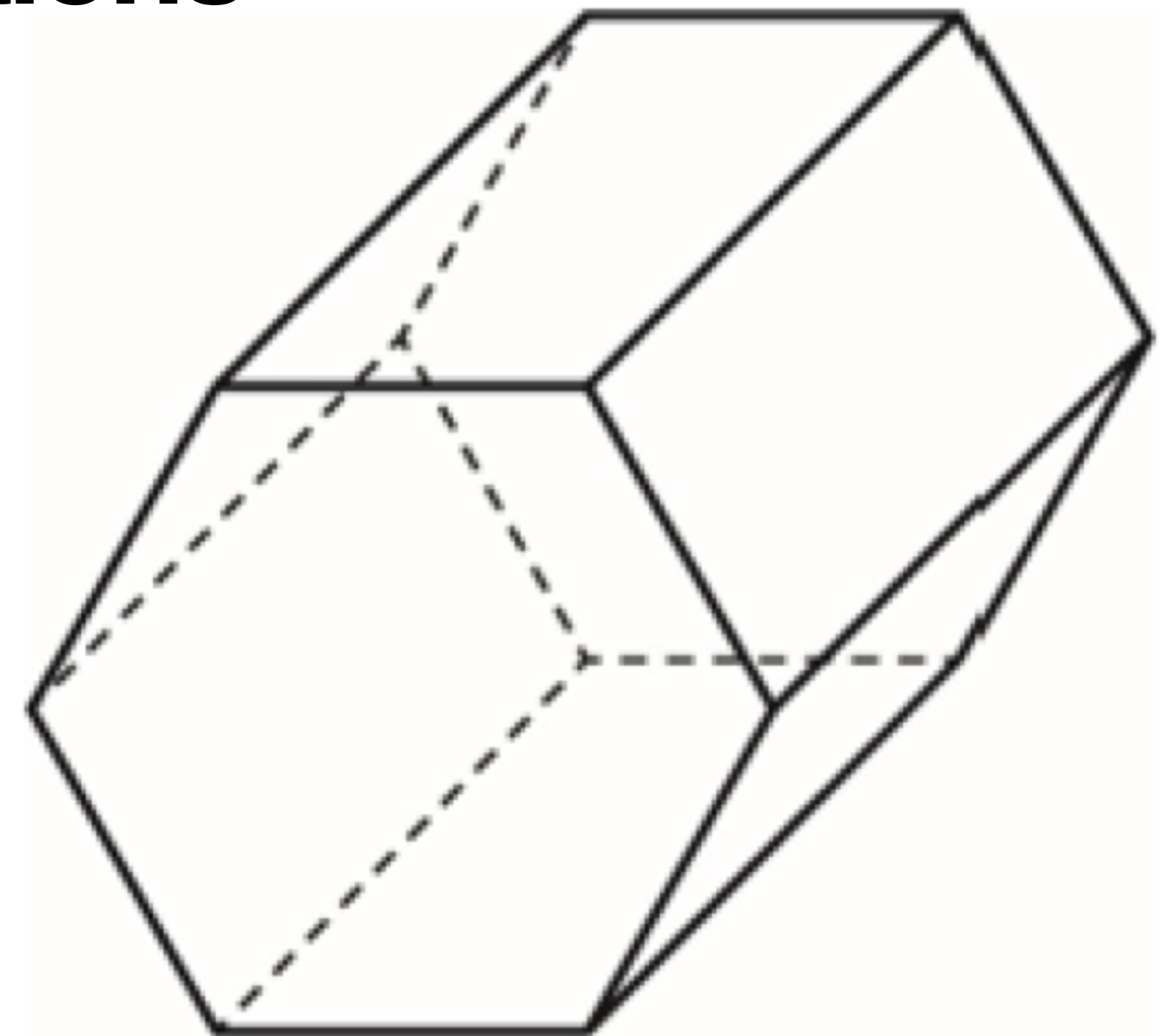
How to recognise 2D interpretations of 3D shapes



55. What shape is used on the side sections of the hexagonal prism?

A
Square

B
Hexagon



How to recognise 2D interpretations of 3D shapes

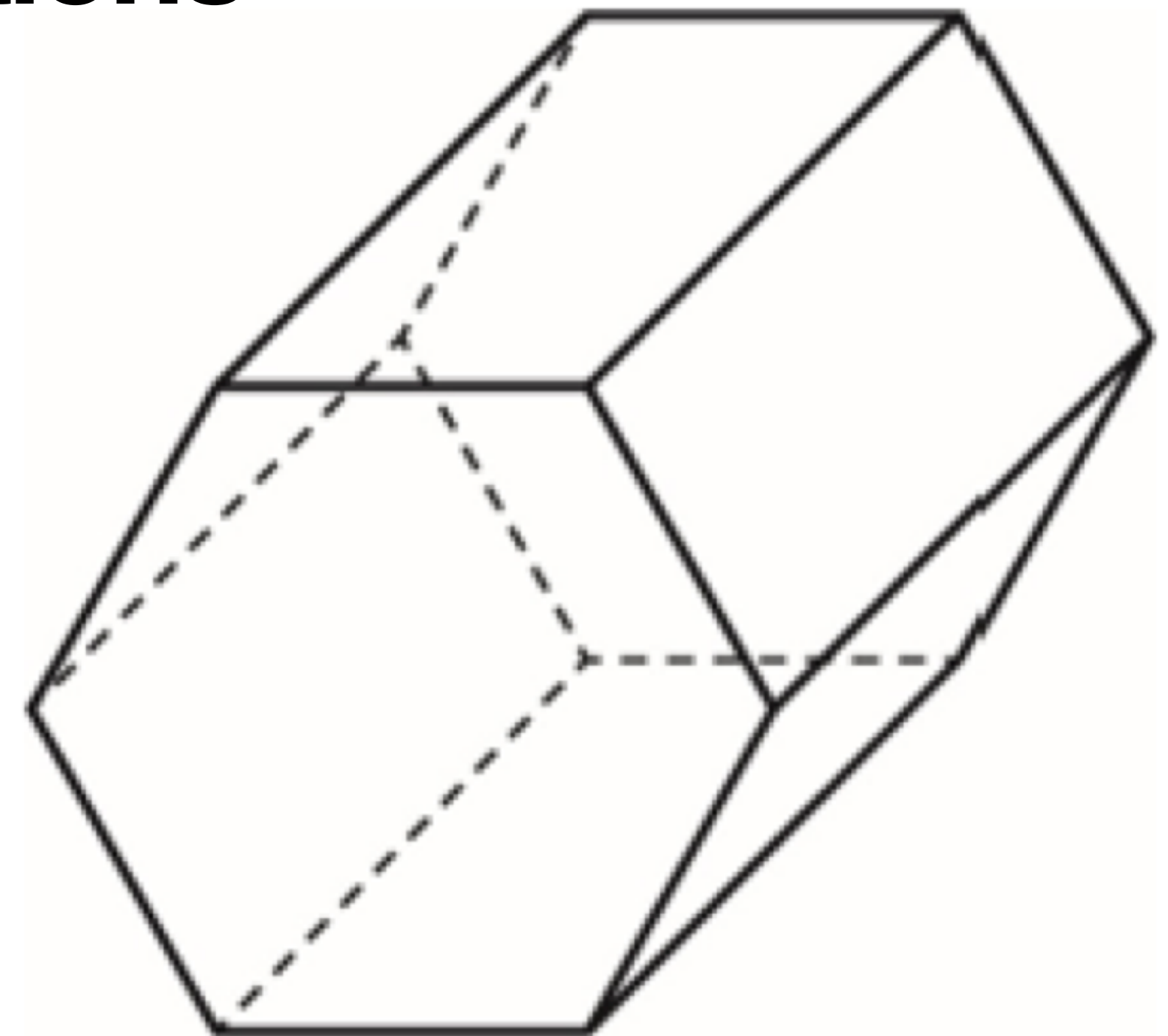


55. What shape is used on the side sections of the hexagonal prism?

A
Square

B
Hexagon

C
Rectangle



How to recognise 2D interpretations of 3D shapes



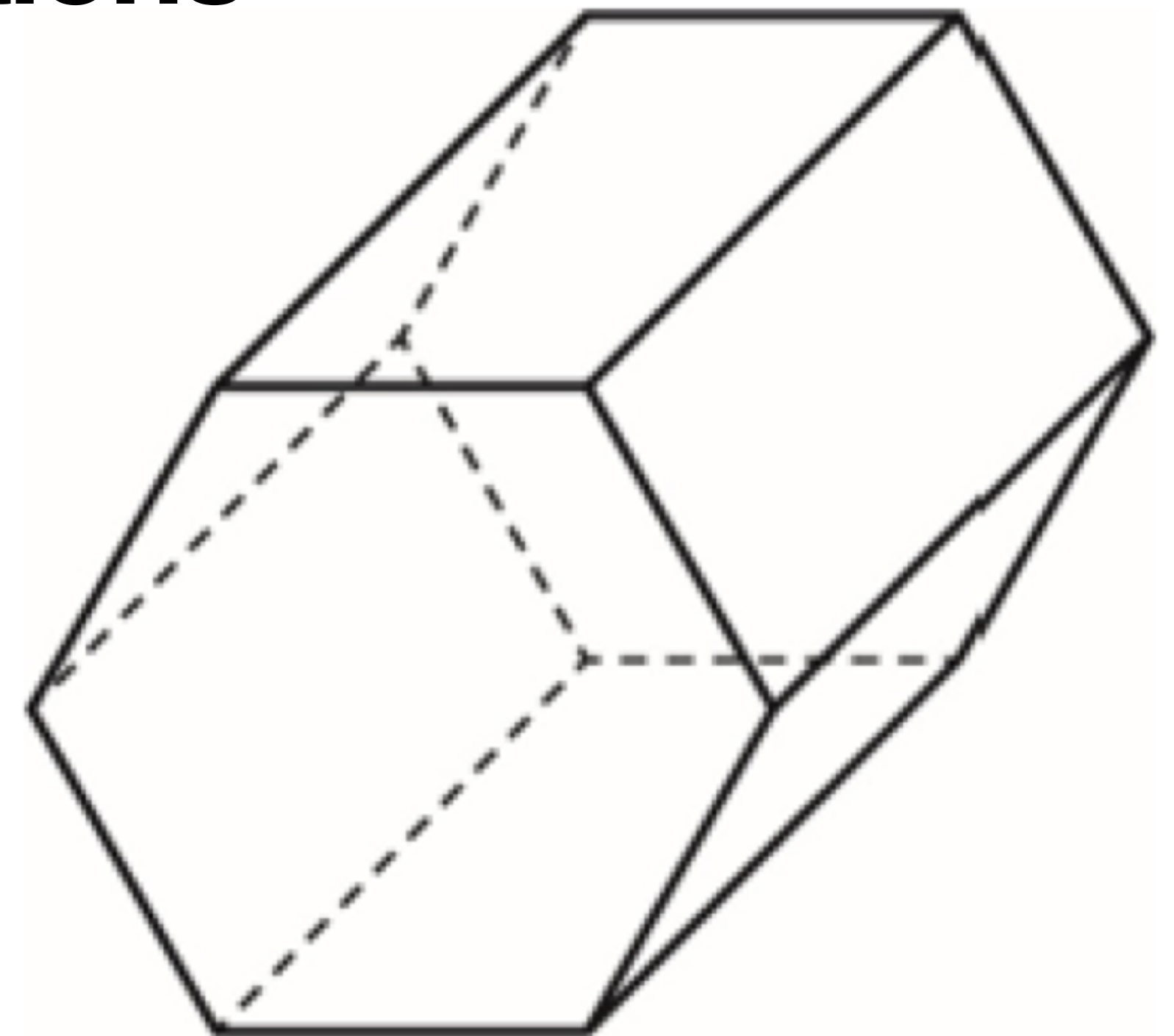
55. What shape is used on the side sections of the hexagonal prism?

A
Square

B
Hexagon

C
Rectangle

D
Trapezium



How to recognise 2D interpretations of 3D shapes



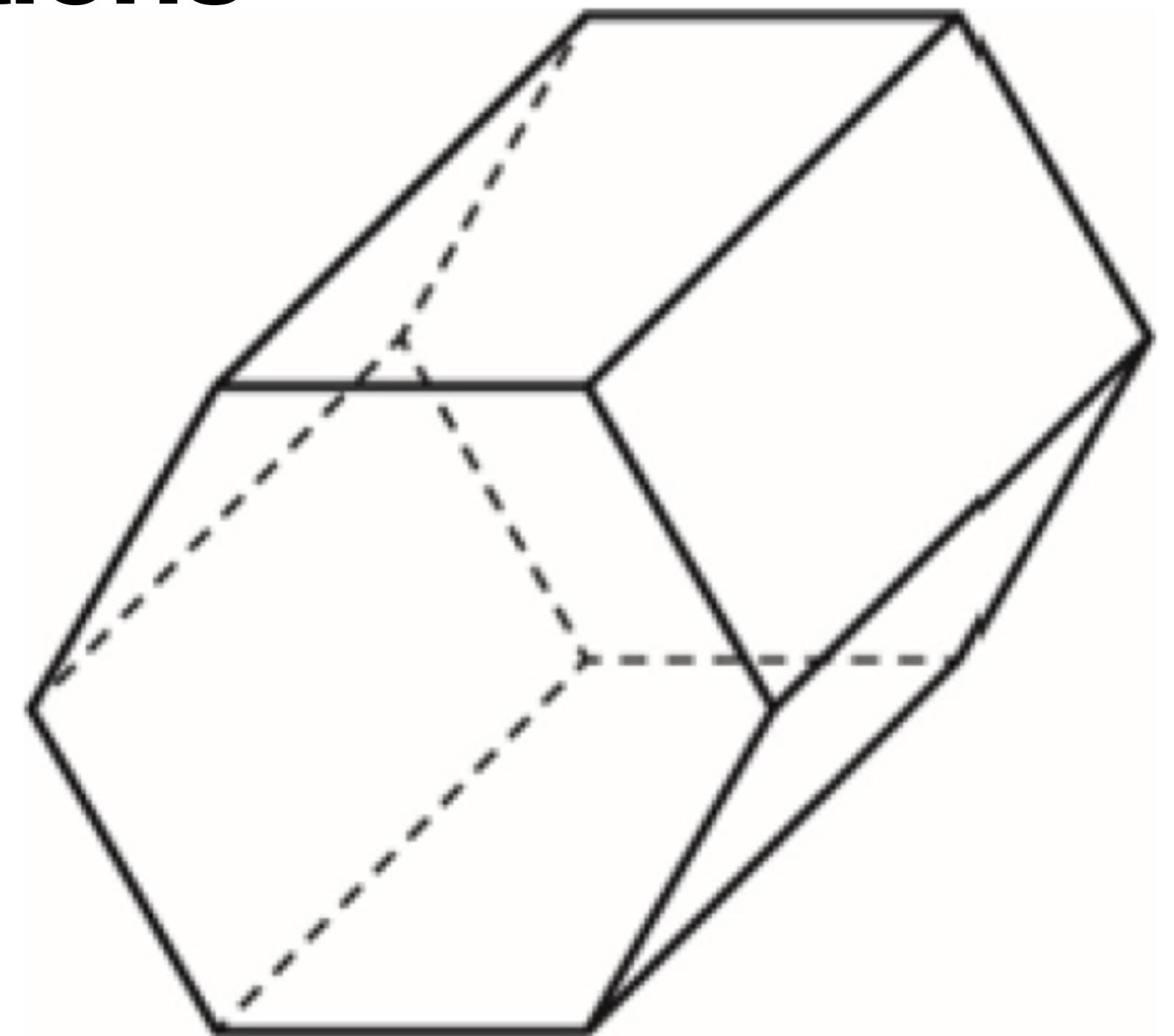
55. What shape is used on the side sections of the hexagonal prism?

A
Square

B
Hexagon

C
Rectangle

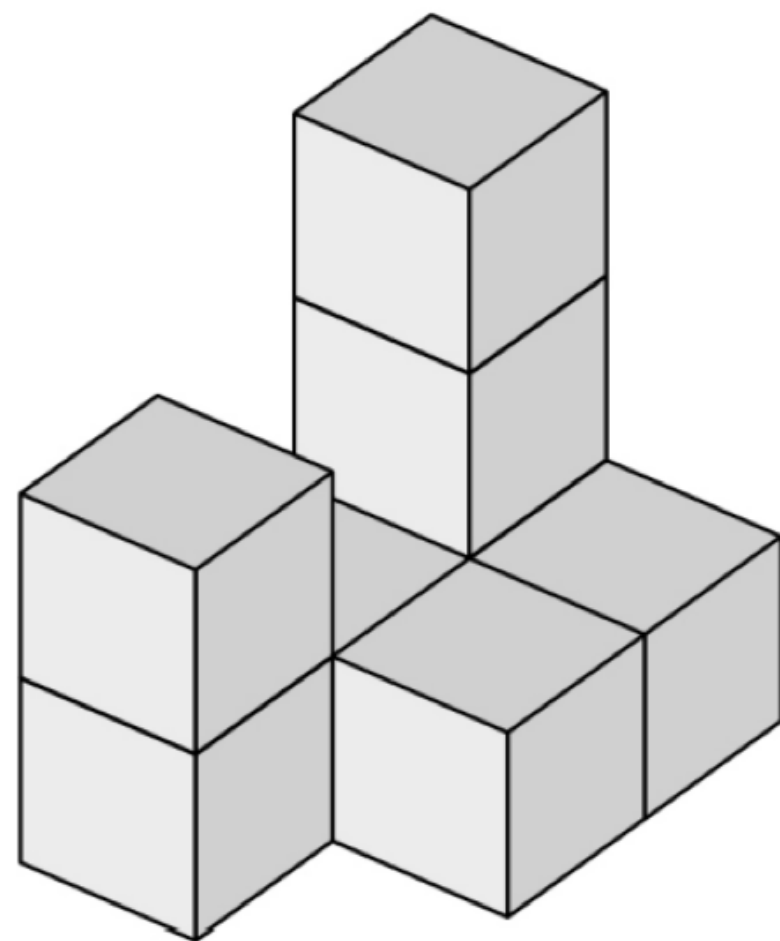
D
Trapezium



How to connect 3D shapes with their front, side and plan views



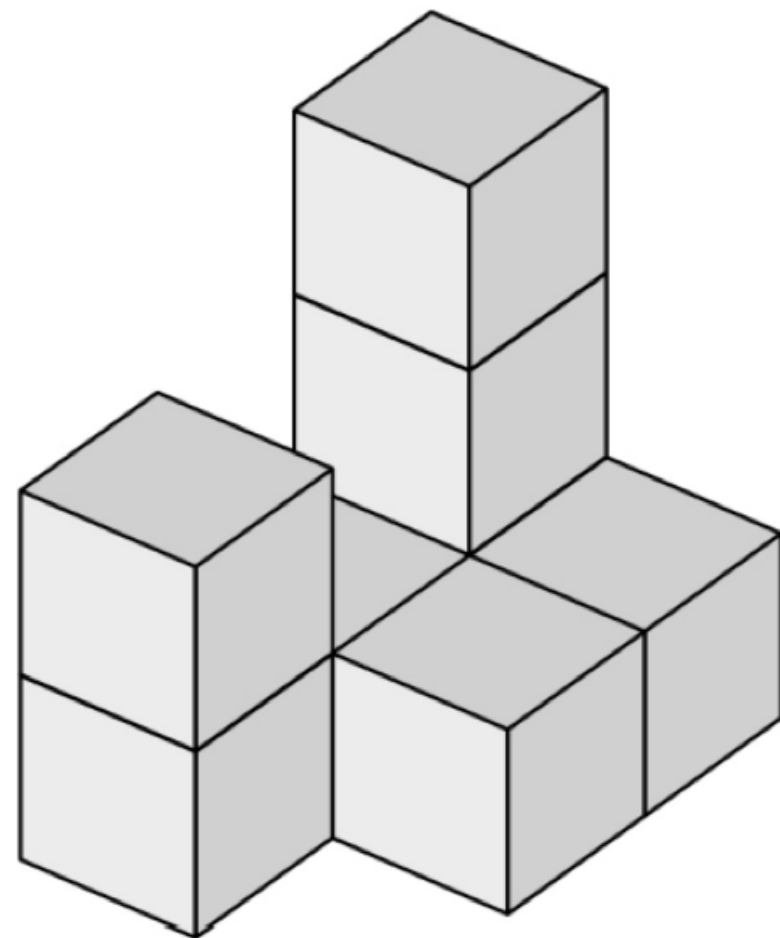
56. Which is the plan view of the shape?



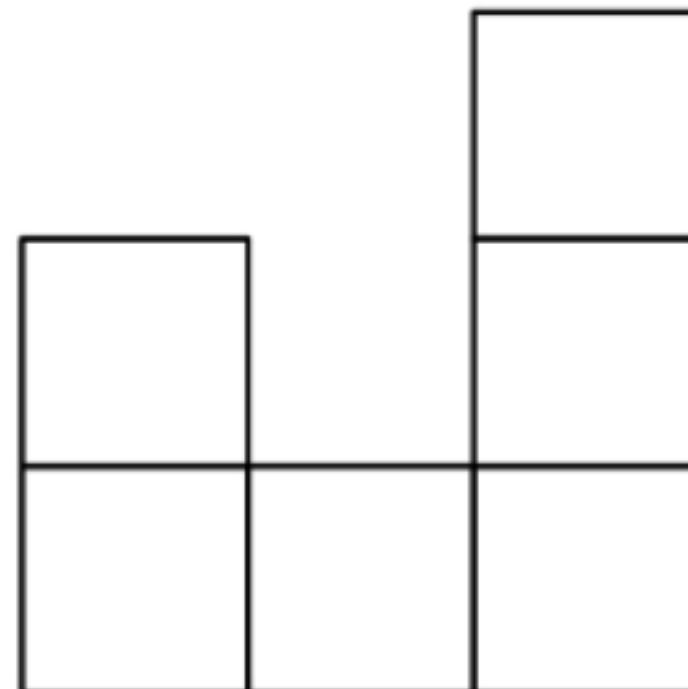
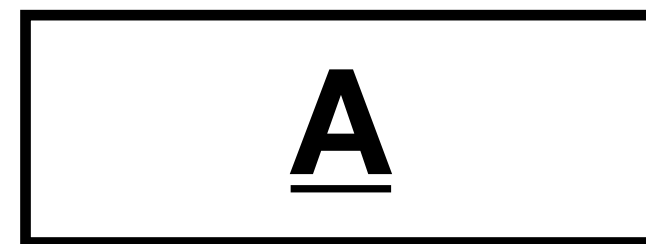
How to connect 3D shapes with their front, side and plan views



56. Which is the plan view of the shape?



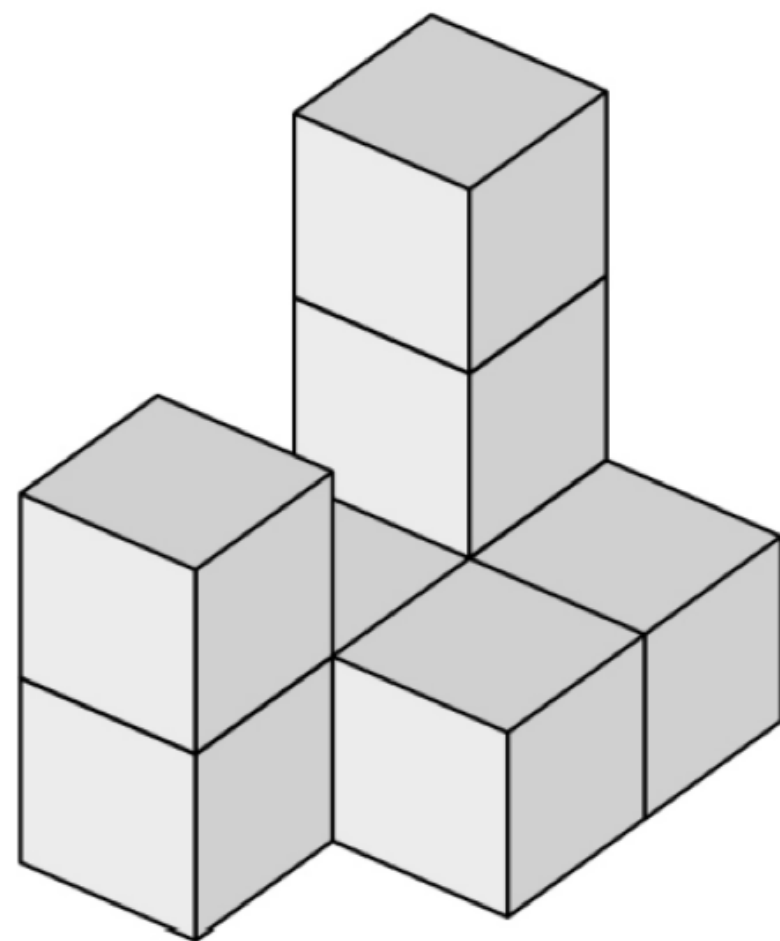
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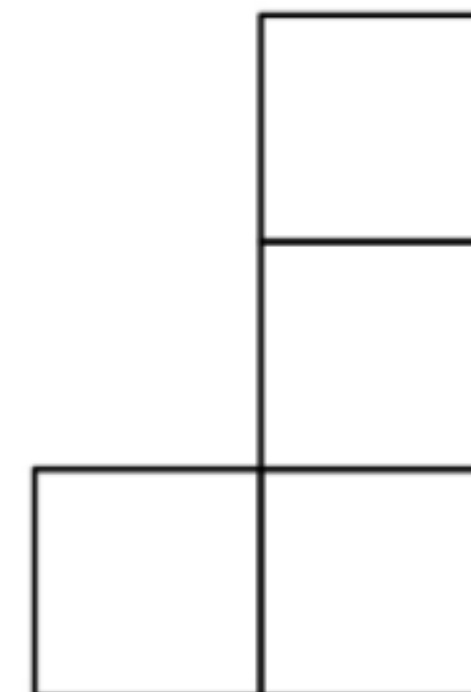
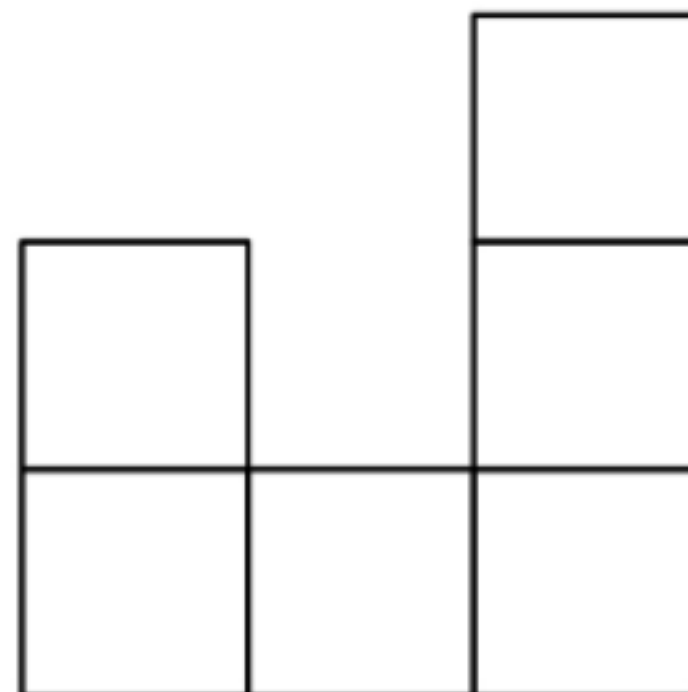
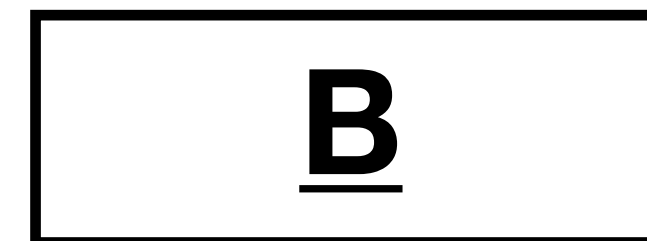
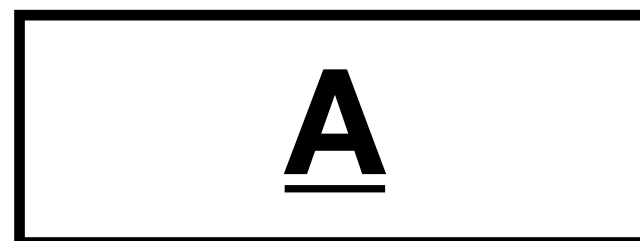
How to connect 3D shapes with their front, side and plan views



56. Which is the plan view of the shape?



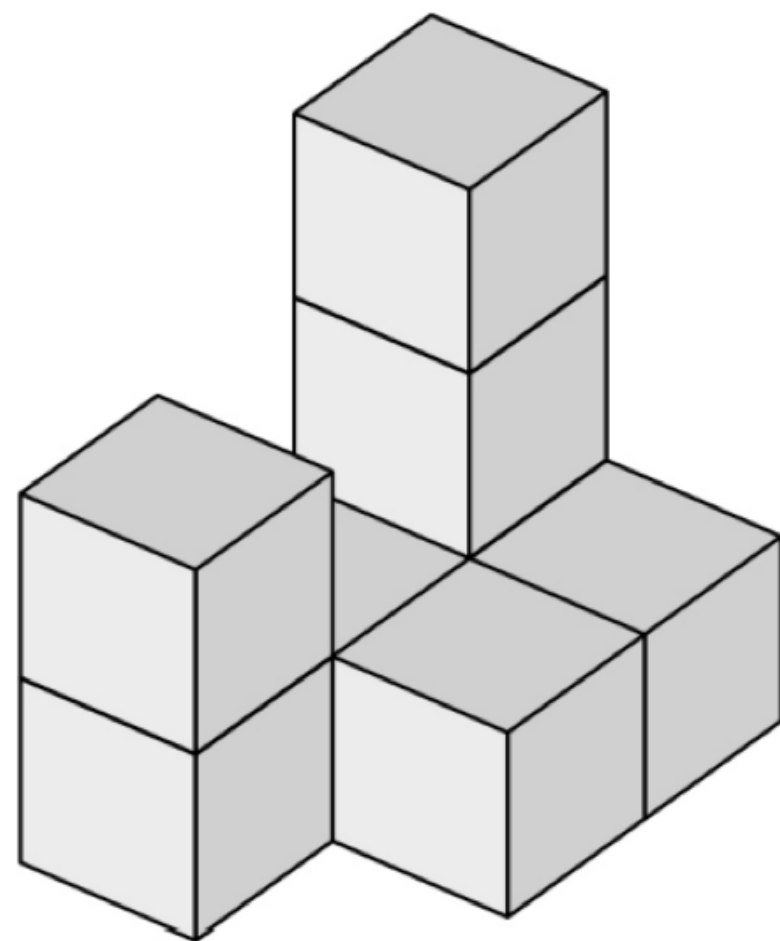
crackmaths.co.uk



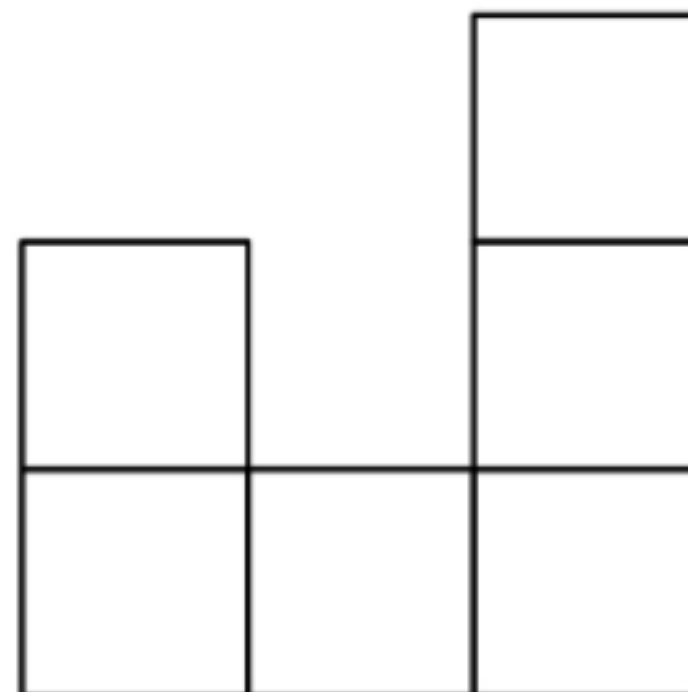
How to connect 3D shapes with their front, side and plan views



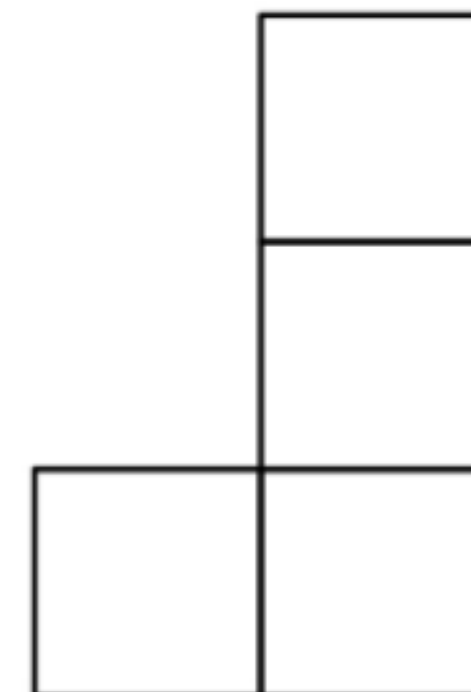
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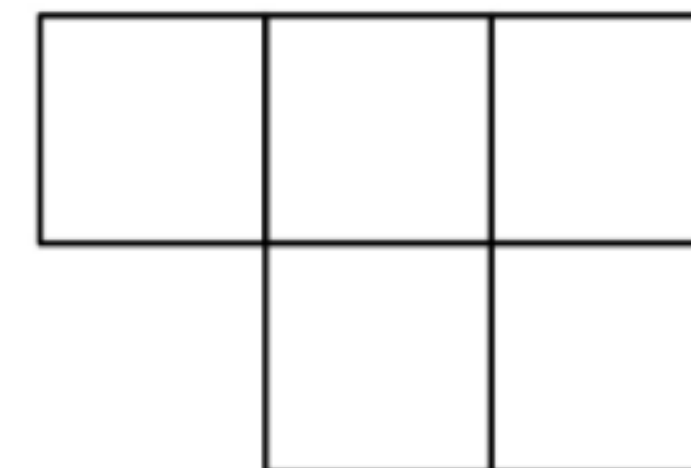
A



B



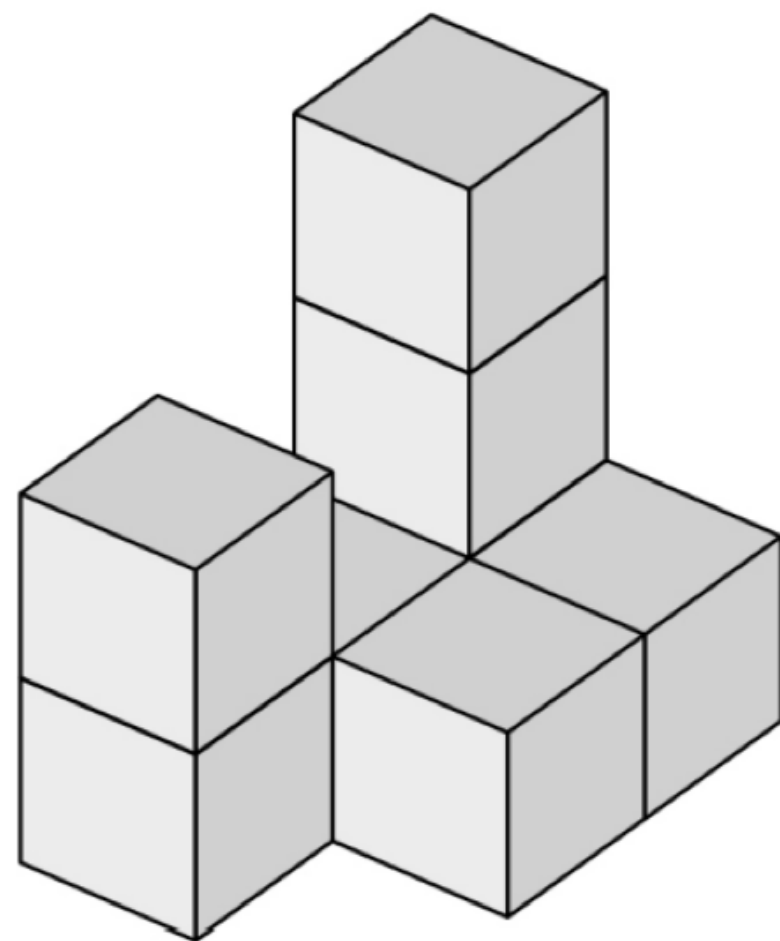
C



How to connect 3D shapes with their front, side and plan views



56. Which is the plan view of the shape?

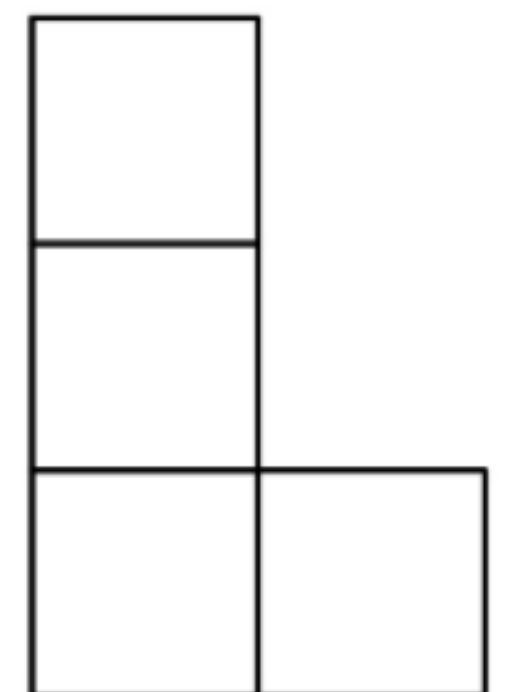
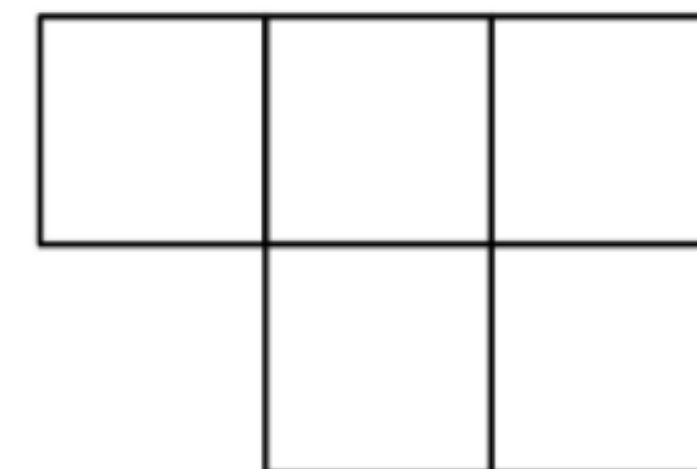
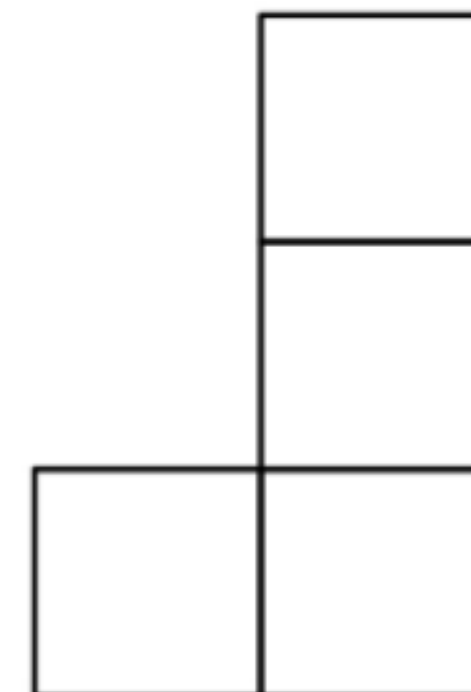
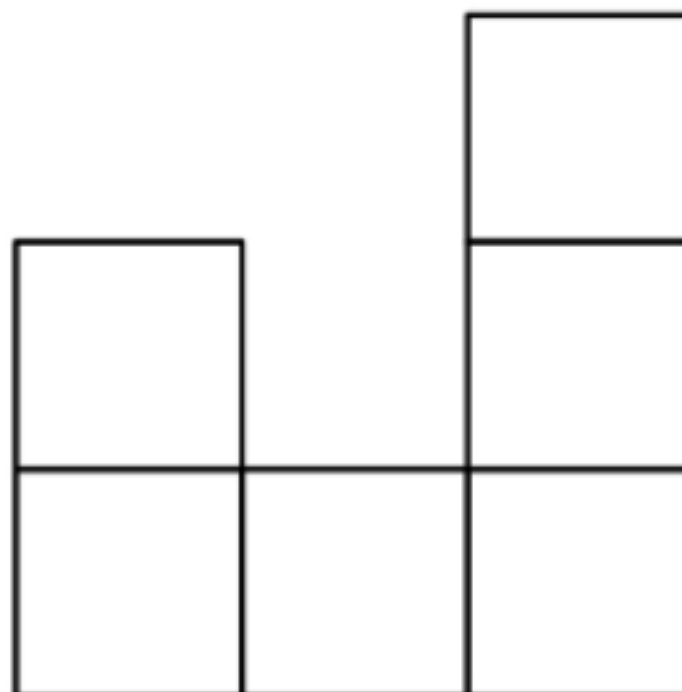


A

B

C

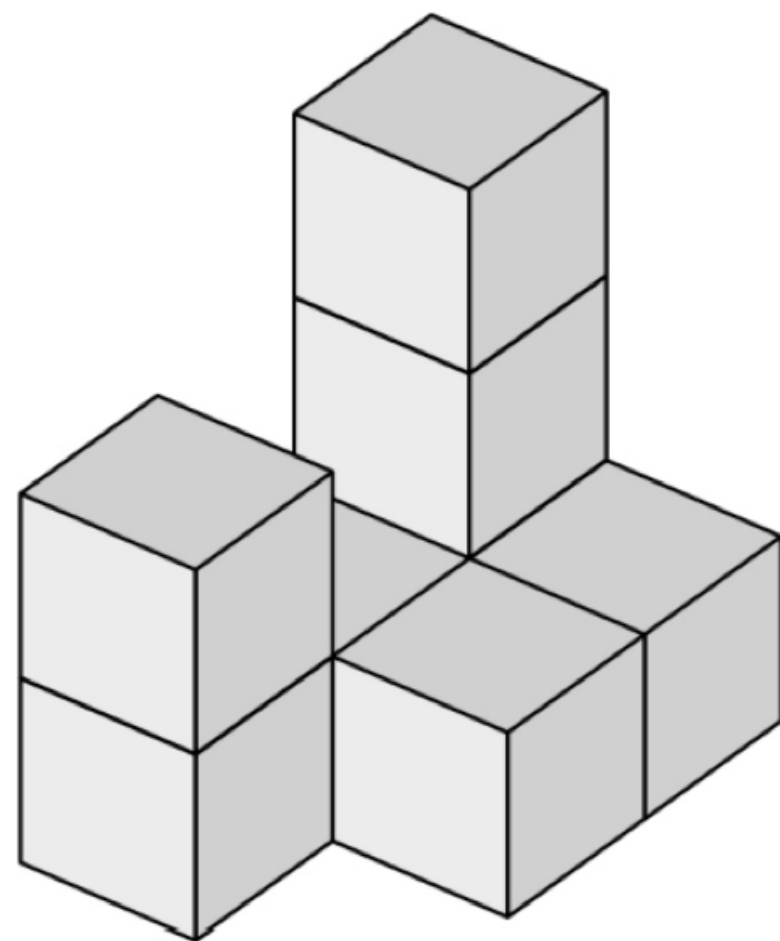
D



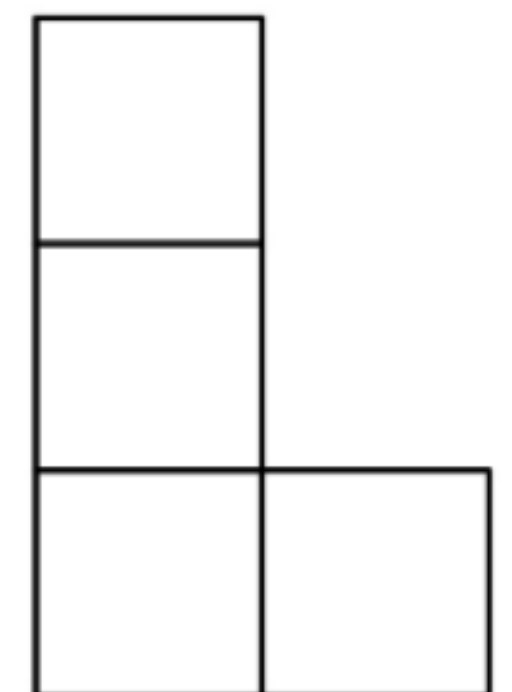
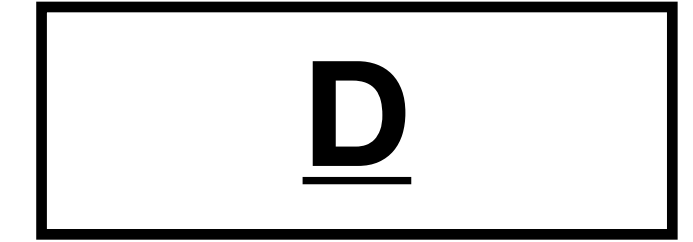
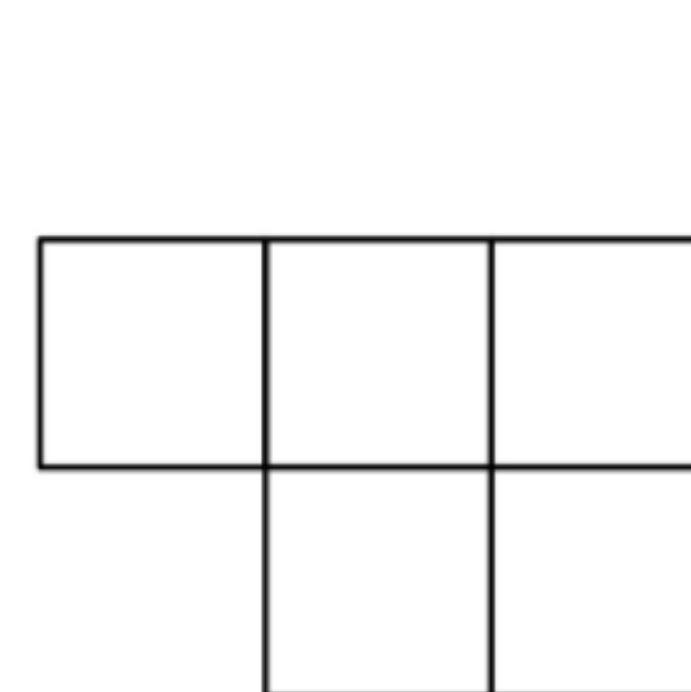
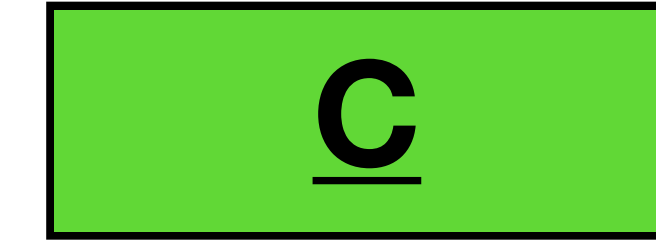
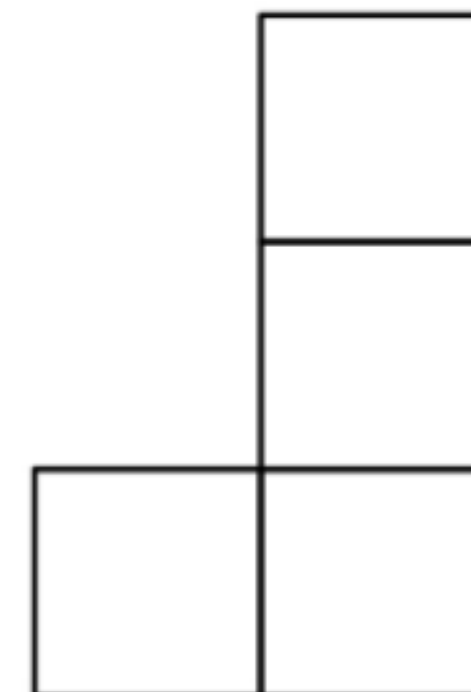
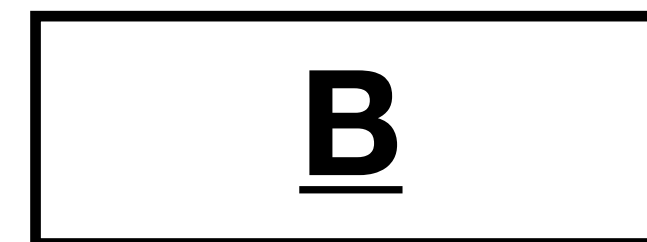
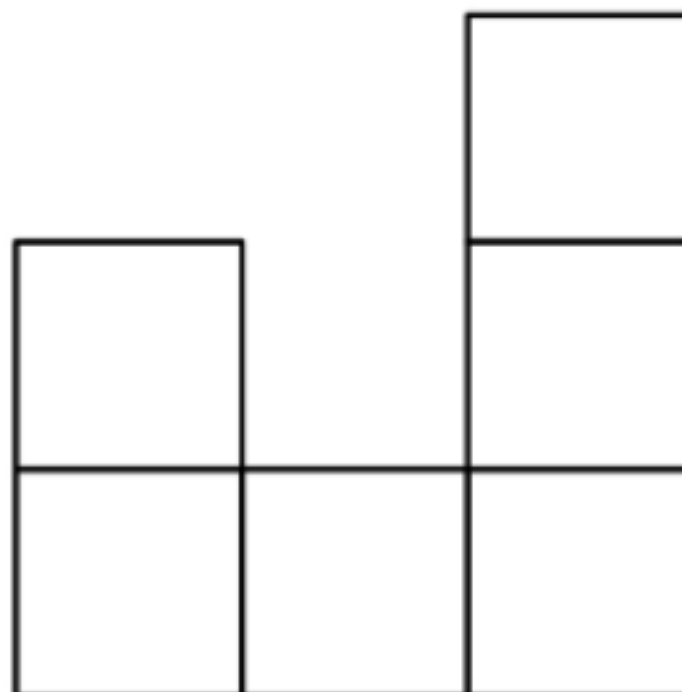
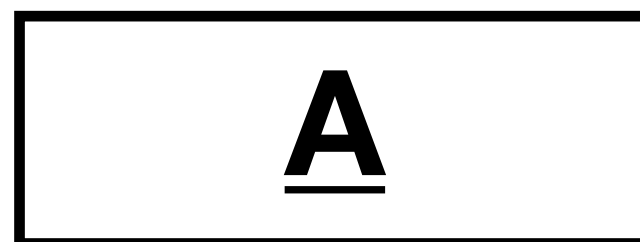
How to connect 3D shapes with their front, side and plan views



56. Which is the plan view of the shape?



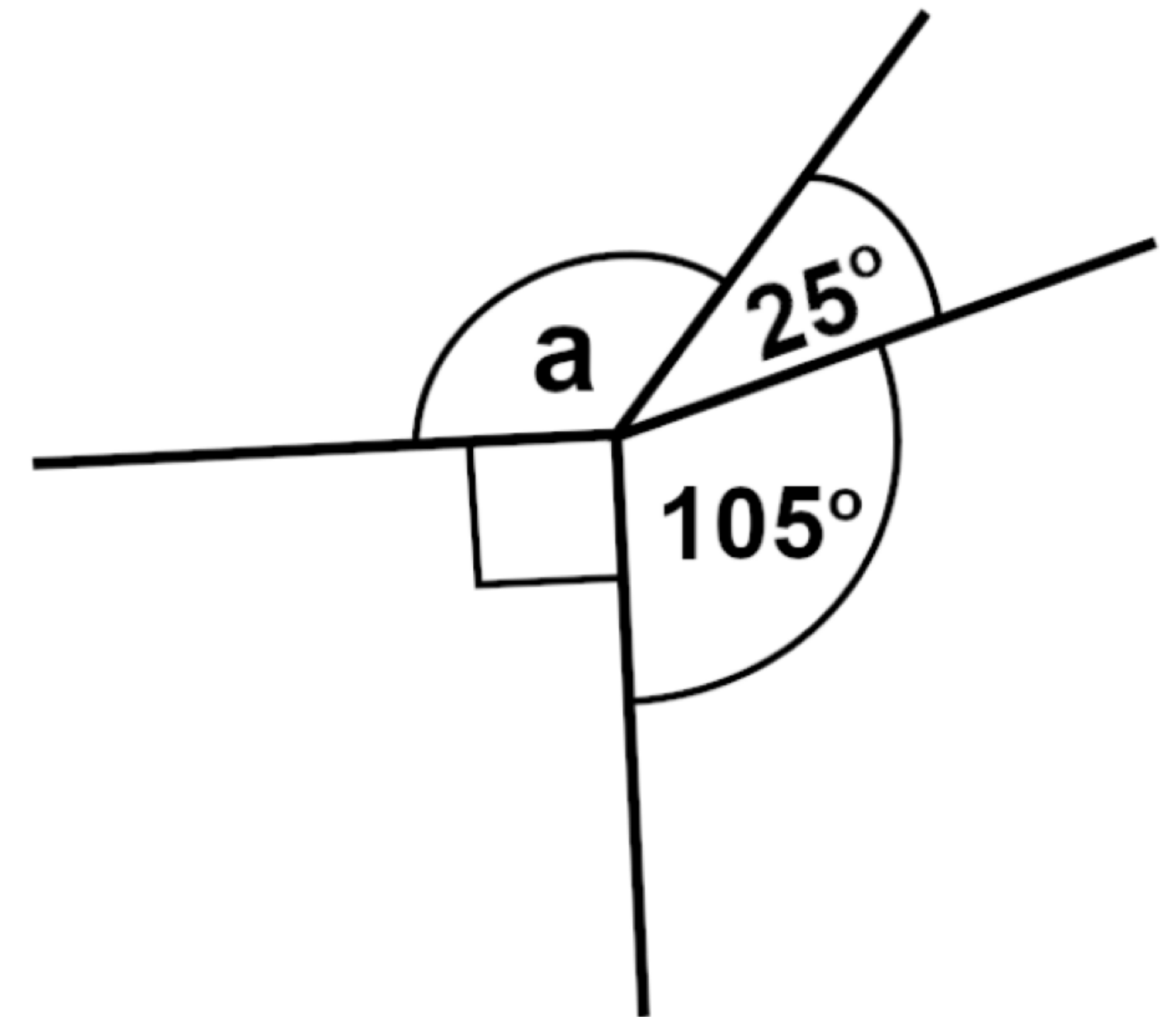
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How to calculate missing angles around a point



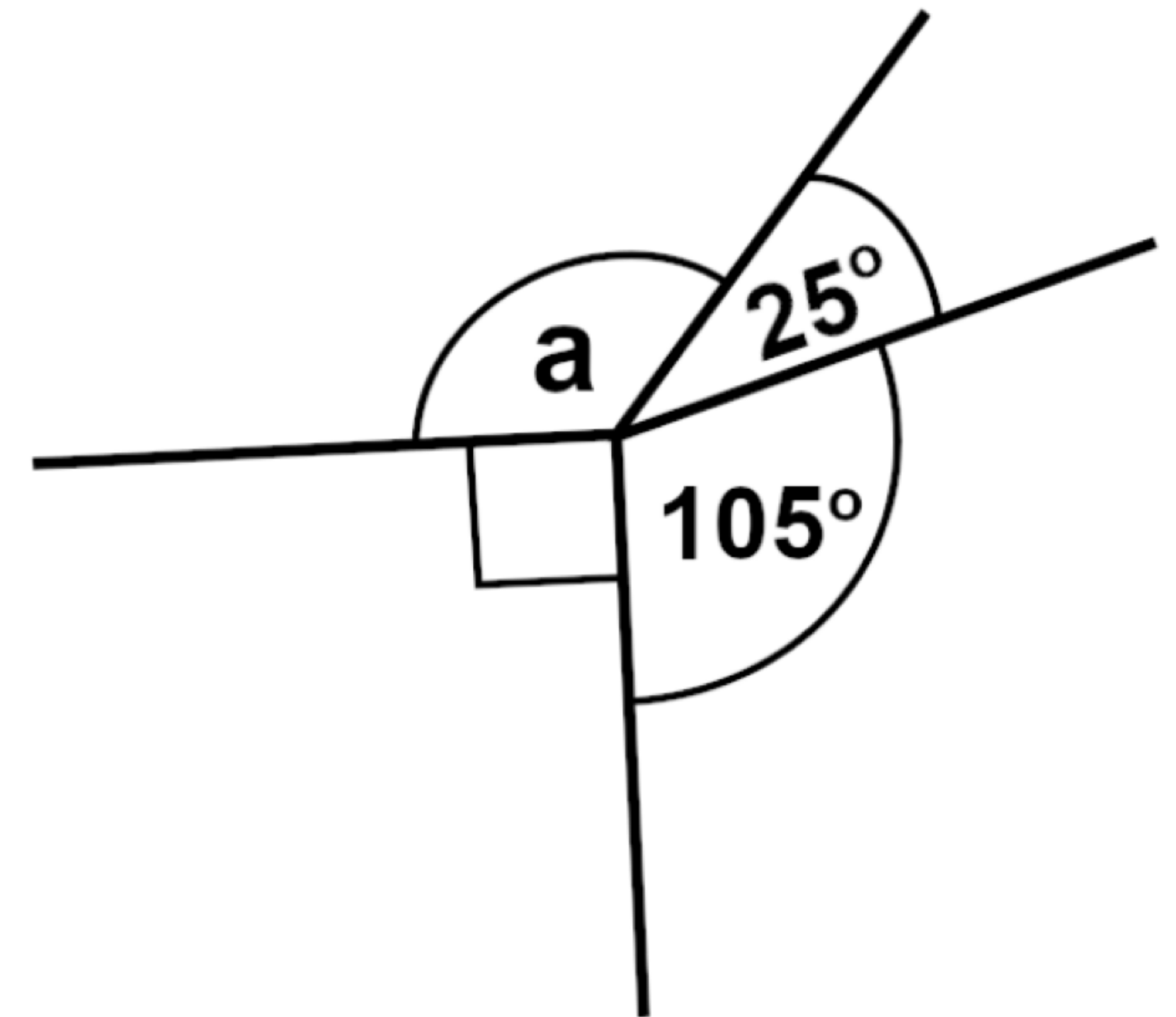
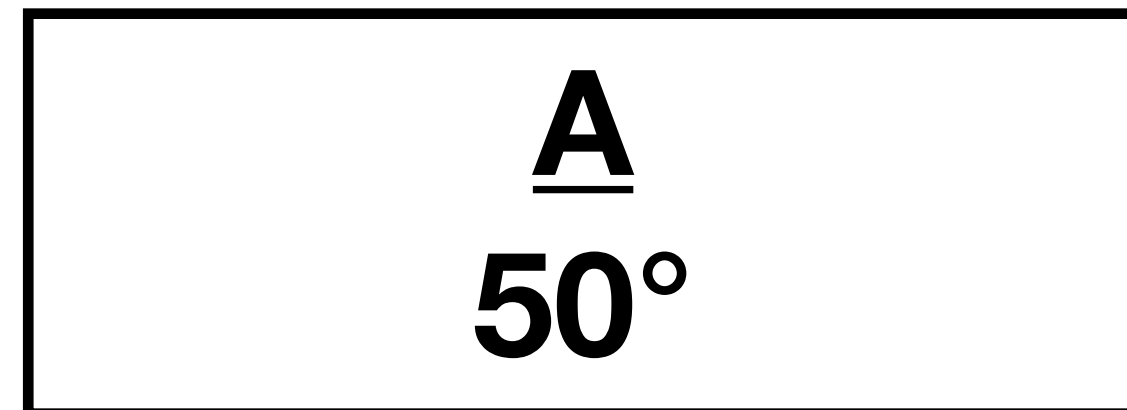
57. What is the size of angle a?



How to calculate missing angles around a point



57. What is the size of angle a?



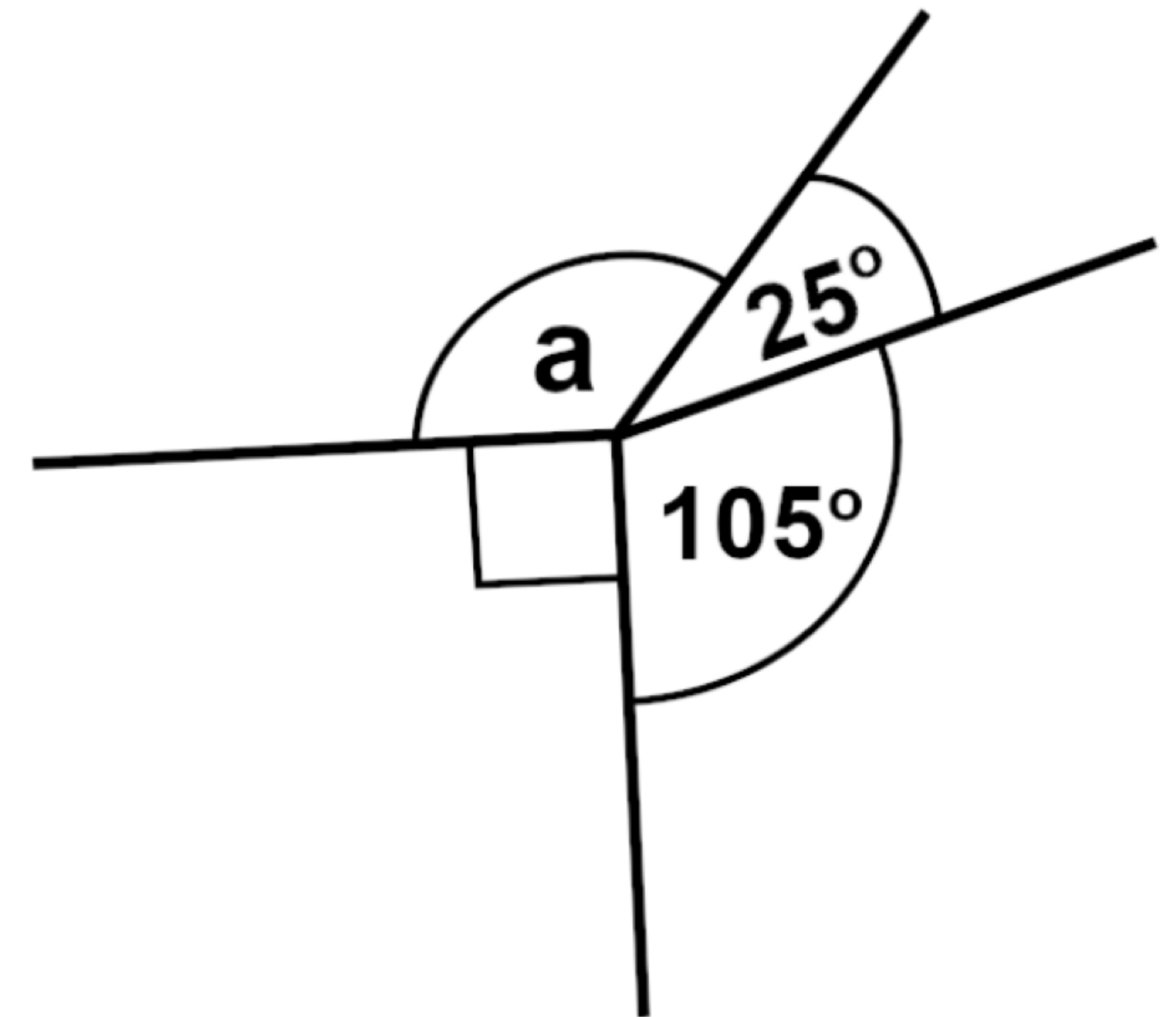
How to calculate missing angles around a point



57. What is the size of angle a?

A
 50°

B
 230°



How to calculate missing angles around a point

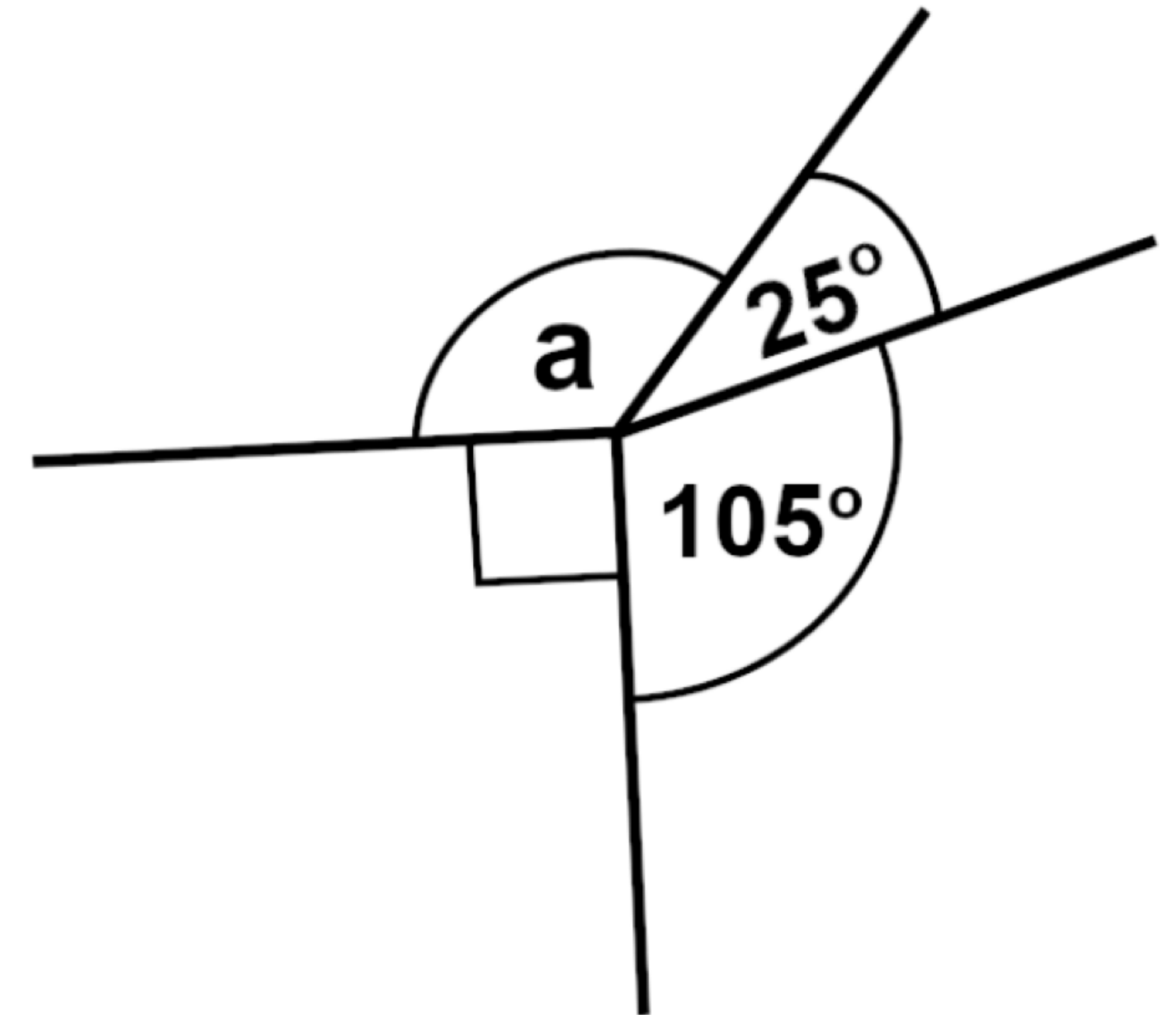


57. What is the size of angle a?

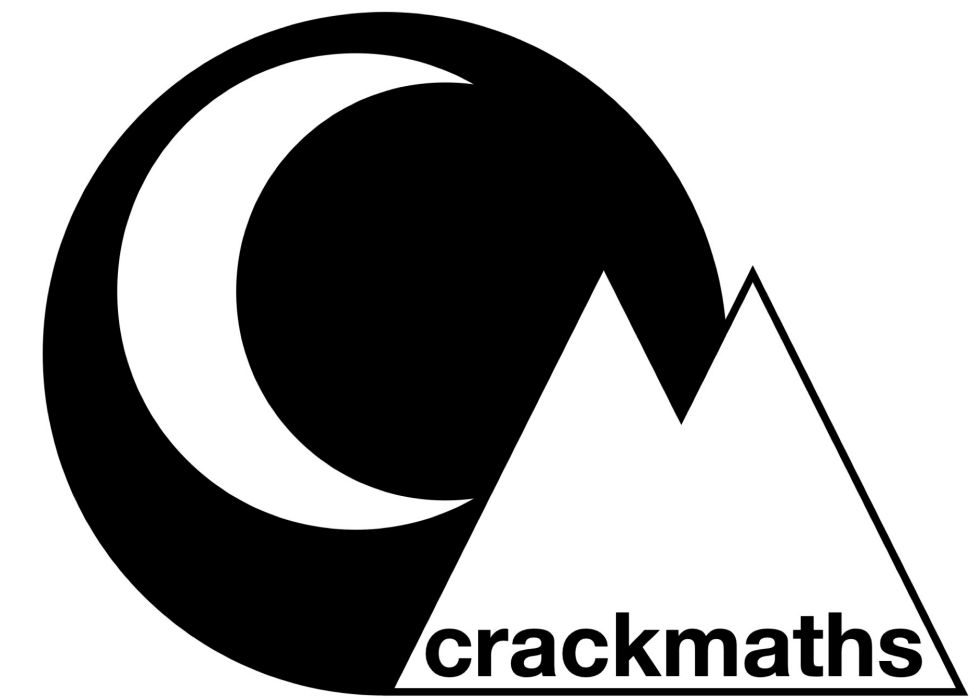
A
 50°

B
 230°

C
 140°



How to calculate missing angles around a point



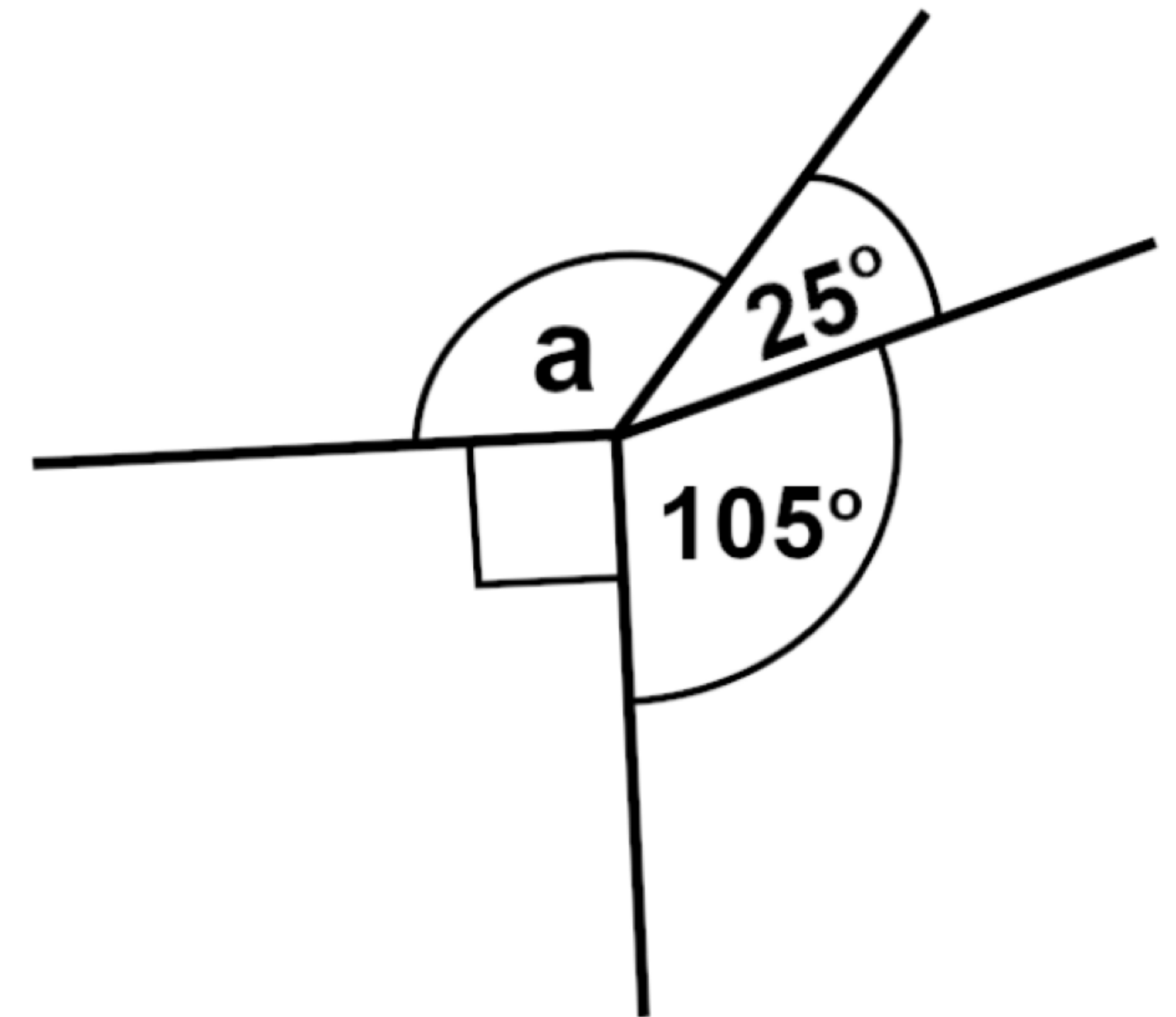
57. What is the size of angle a?

A
 50°

B
 230°

C
 140°

D
 105°



How to calculate missing angles around a point



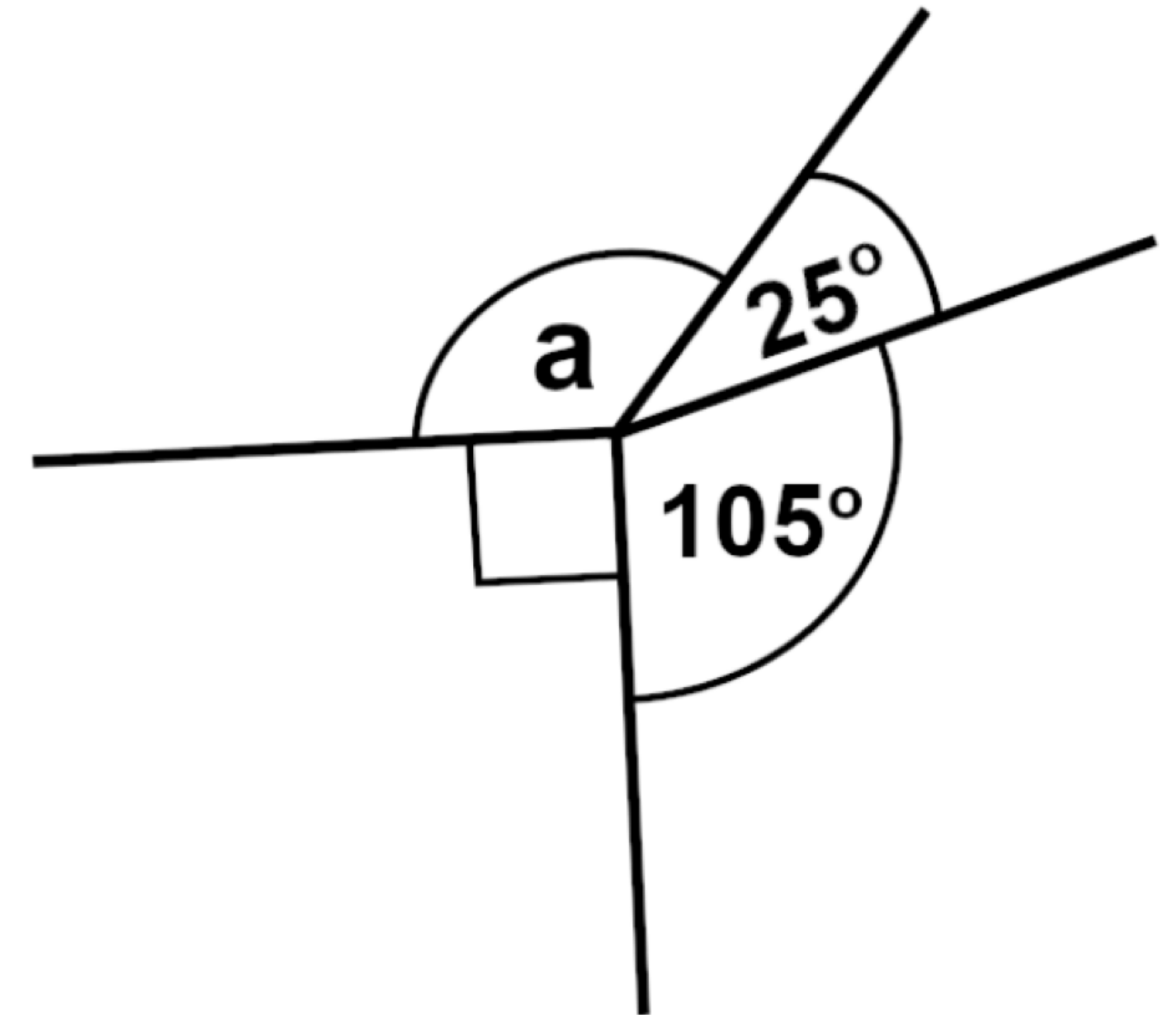
57. What is the size of angle a?

A
 50°

B
 230°

C
 140°

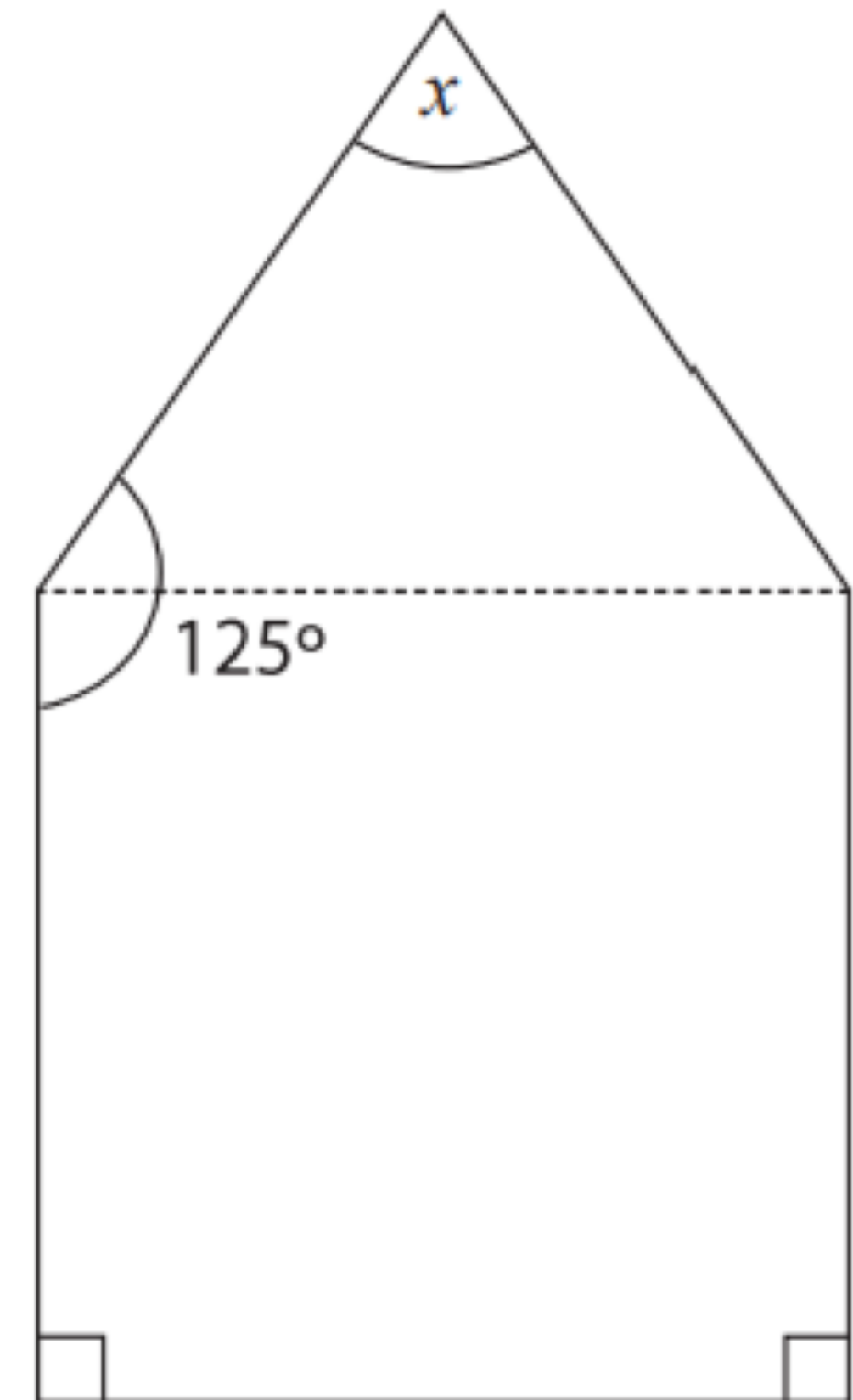
D
 105°



How to calculate angles inside shapes made of triangles and quadrilaterals



58. What is the size of angle x ?

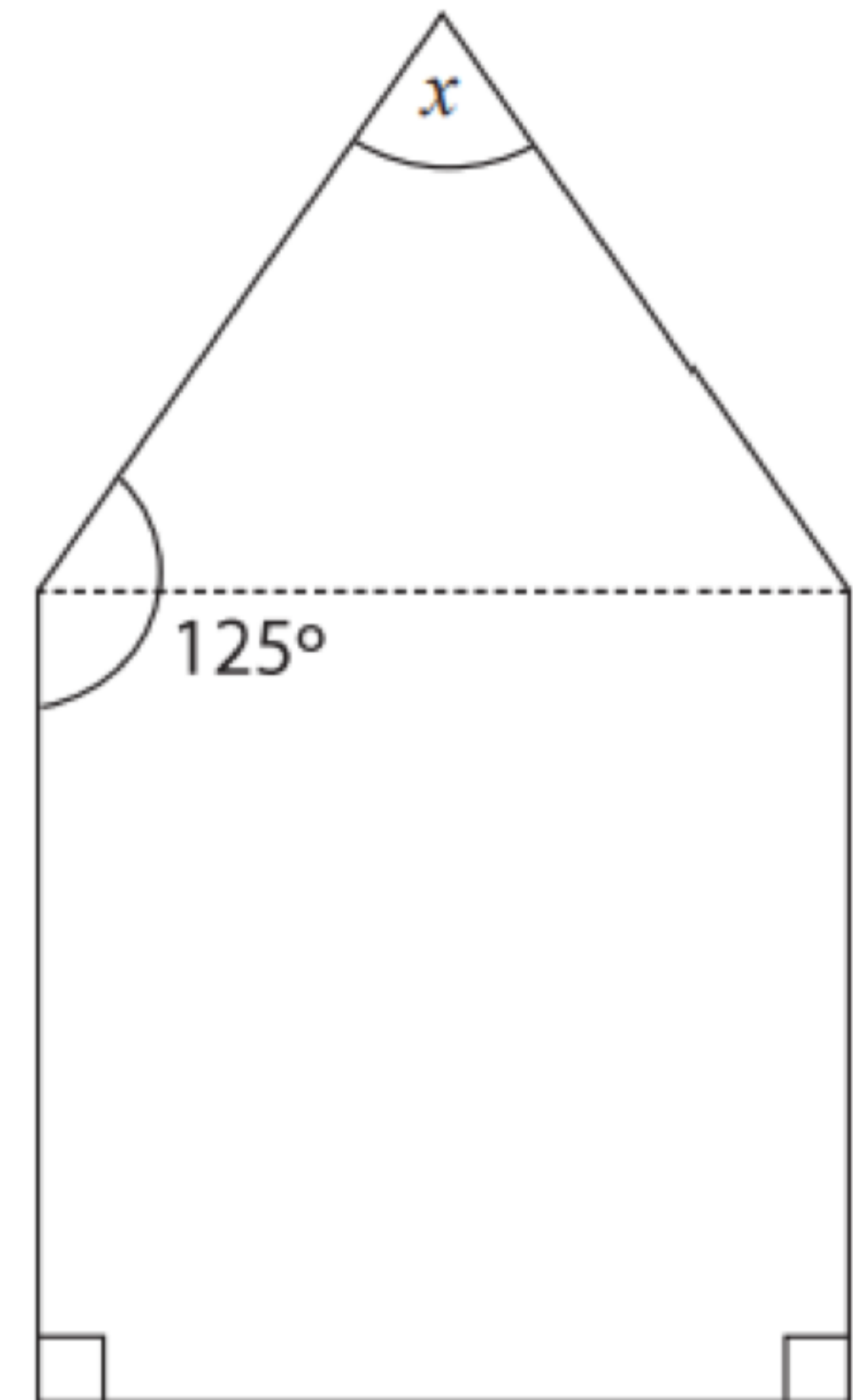


How to calculate angles inside shapes made of triangles and quadrilaterals



58. What is the size of angle x ?

A
 110°



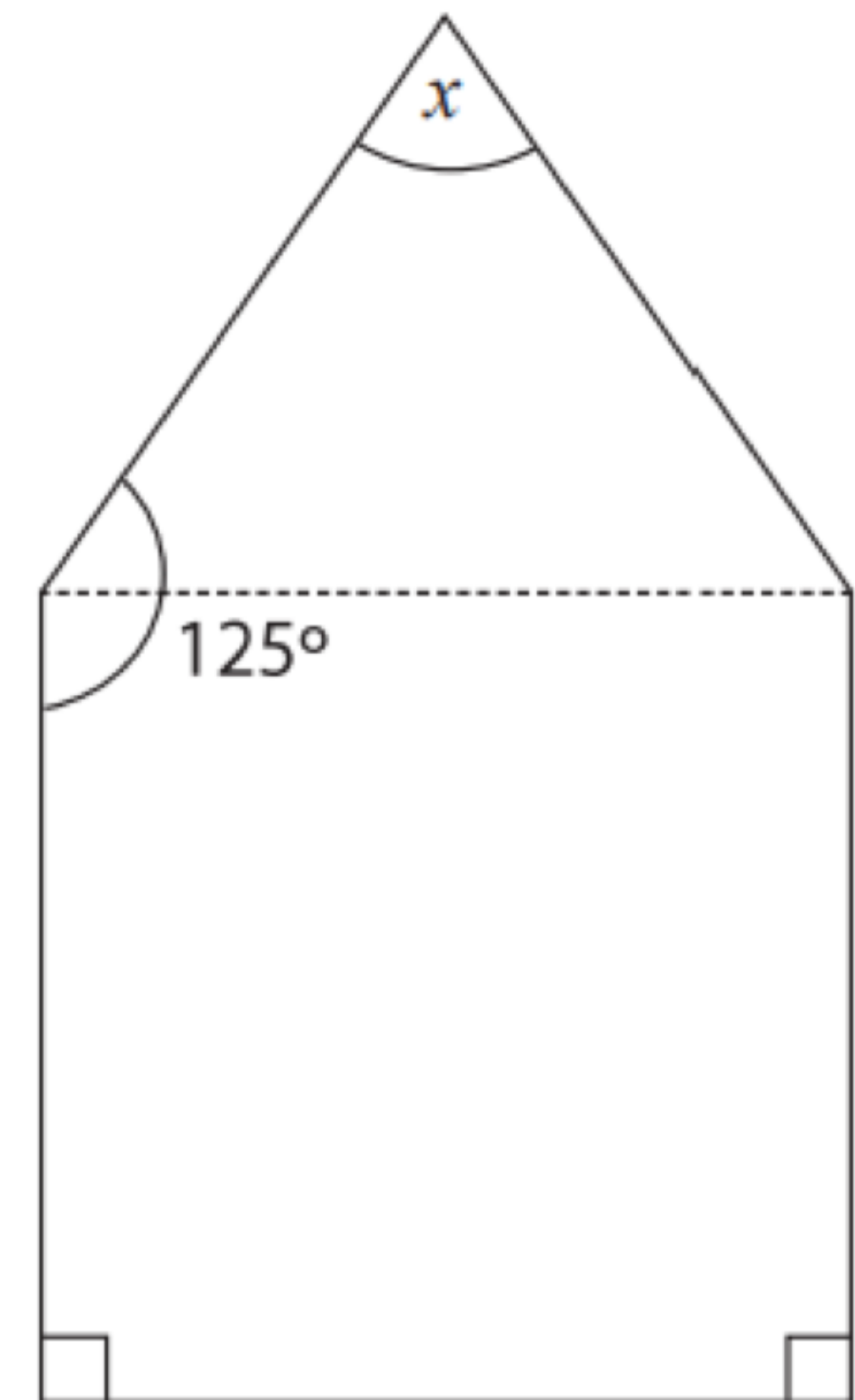
How to calculate angles inside shapes made of triangles and quadrilaterals



58. What is the size of angle x ?

A
 110°

B
 60°



How to calculate angles inside shapes made of triangles and quadrilaterals

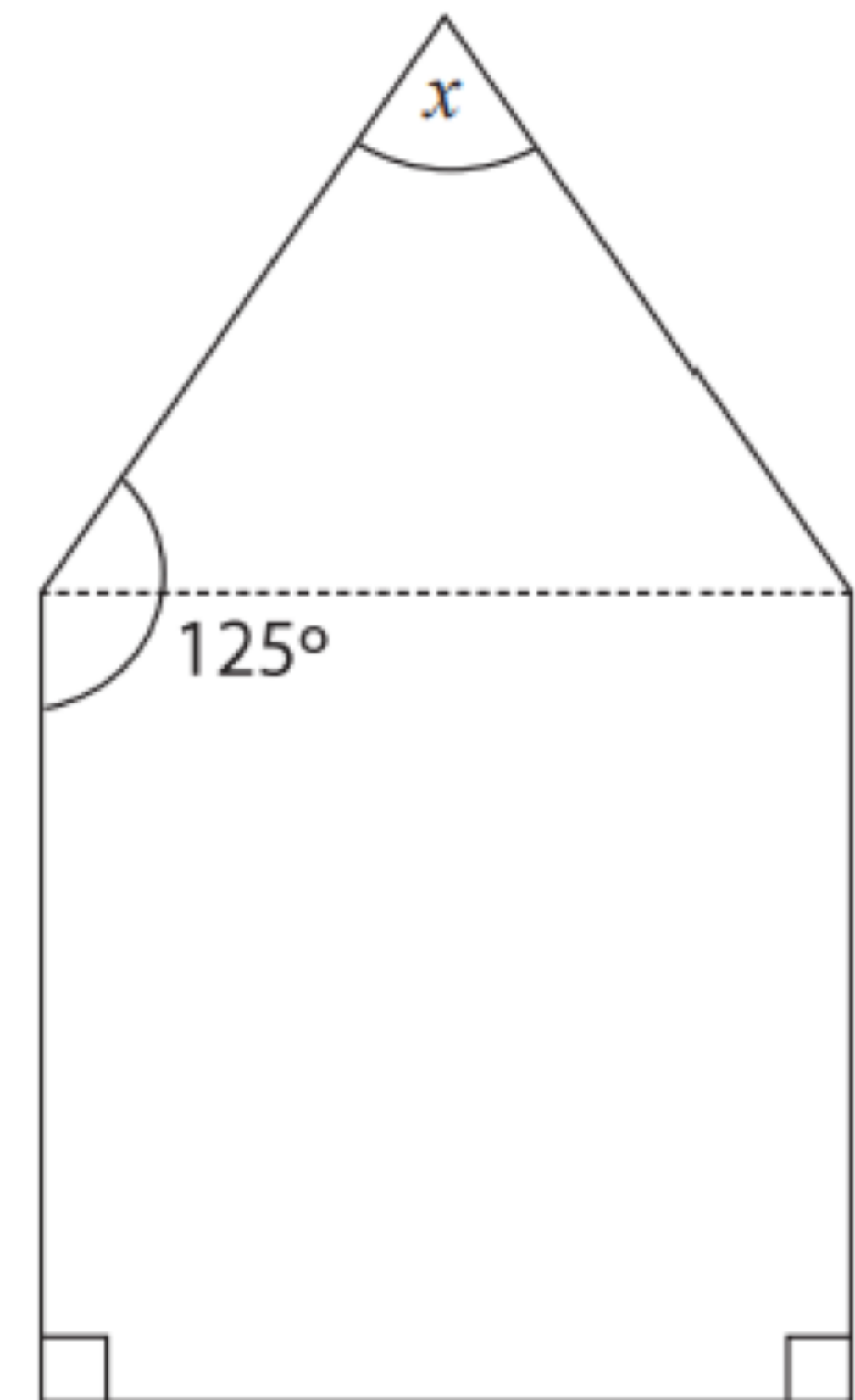


58. What is the size of angle x ?

A
 110°

B
 60°

C
 80°



How to calculate angles inside shapes made of triangles and quadrilaterals



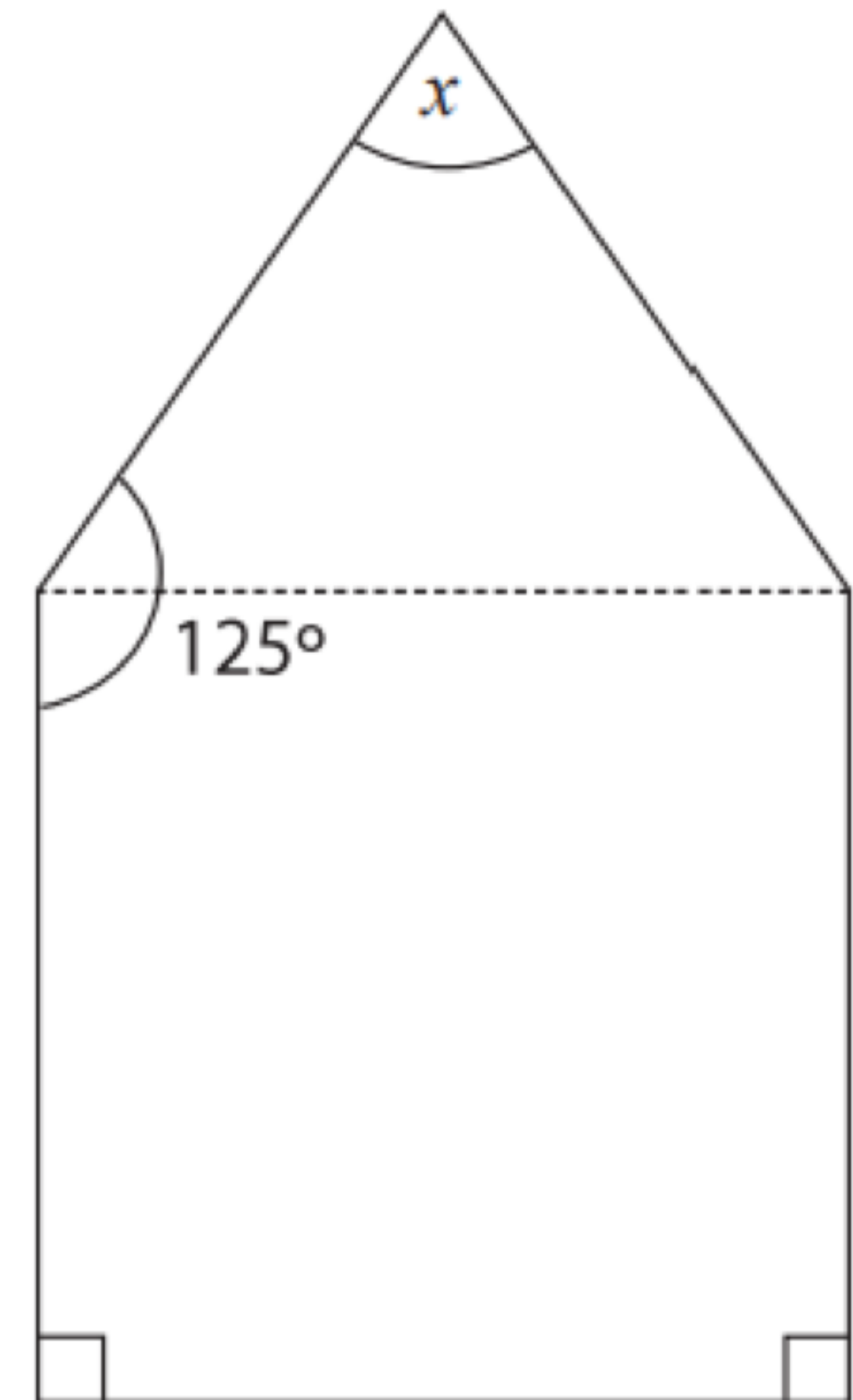
58. What is the size of angle x ?

A
 110°

B
 60°

C
 80°

D
 90°



How to calculate angles inside shapes made of triangles and quadrilaterals



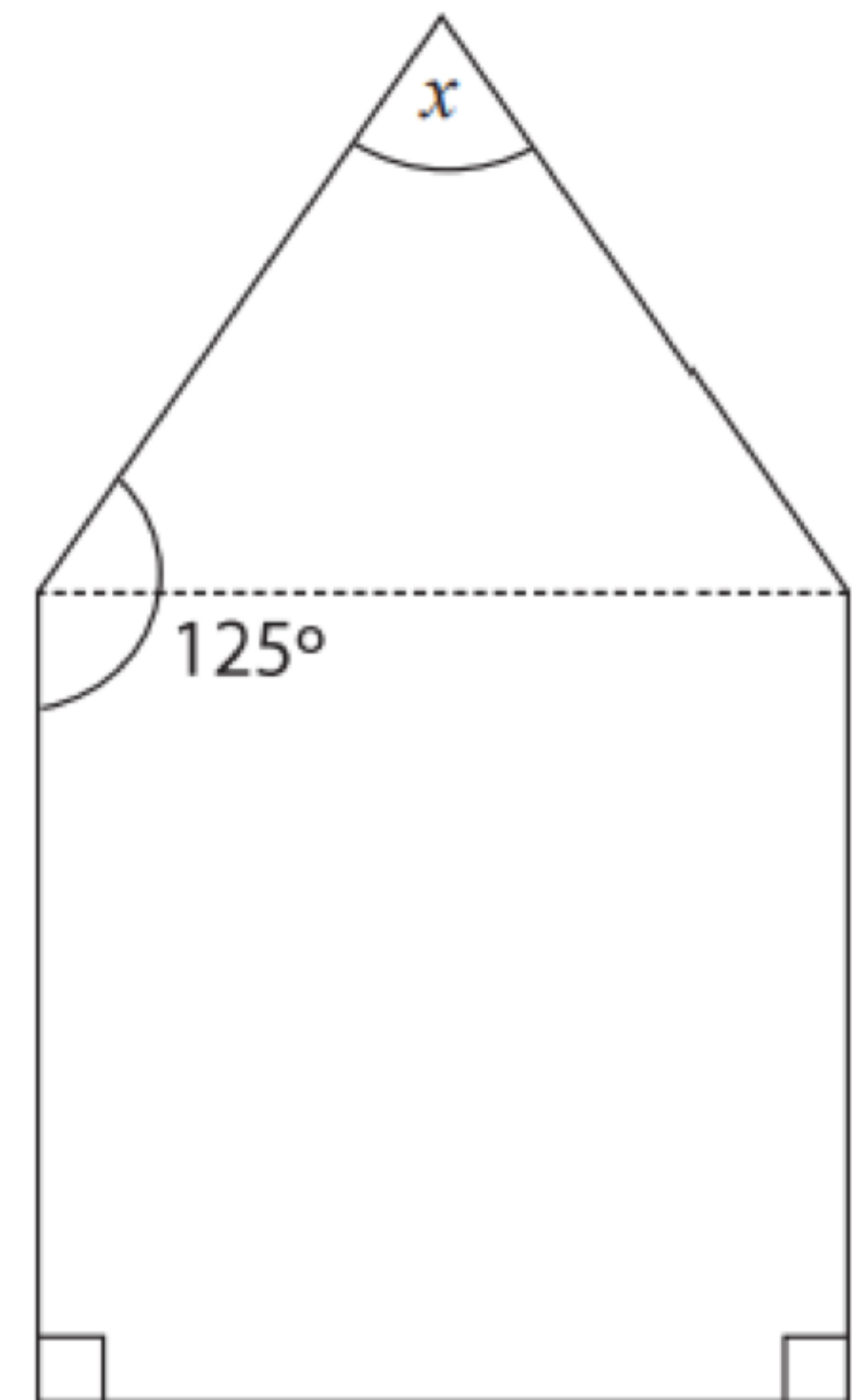
58. What is the size of angle x ?

A
 110°

B
 60°

C
 80°

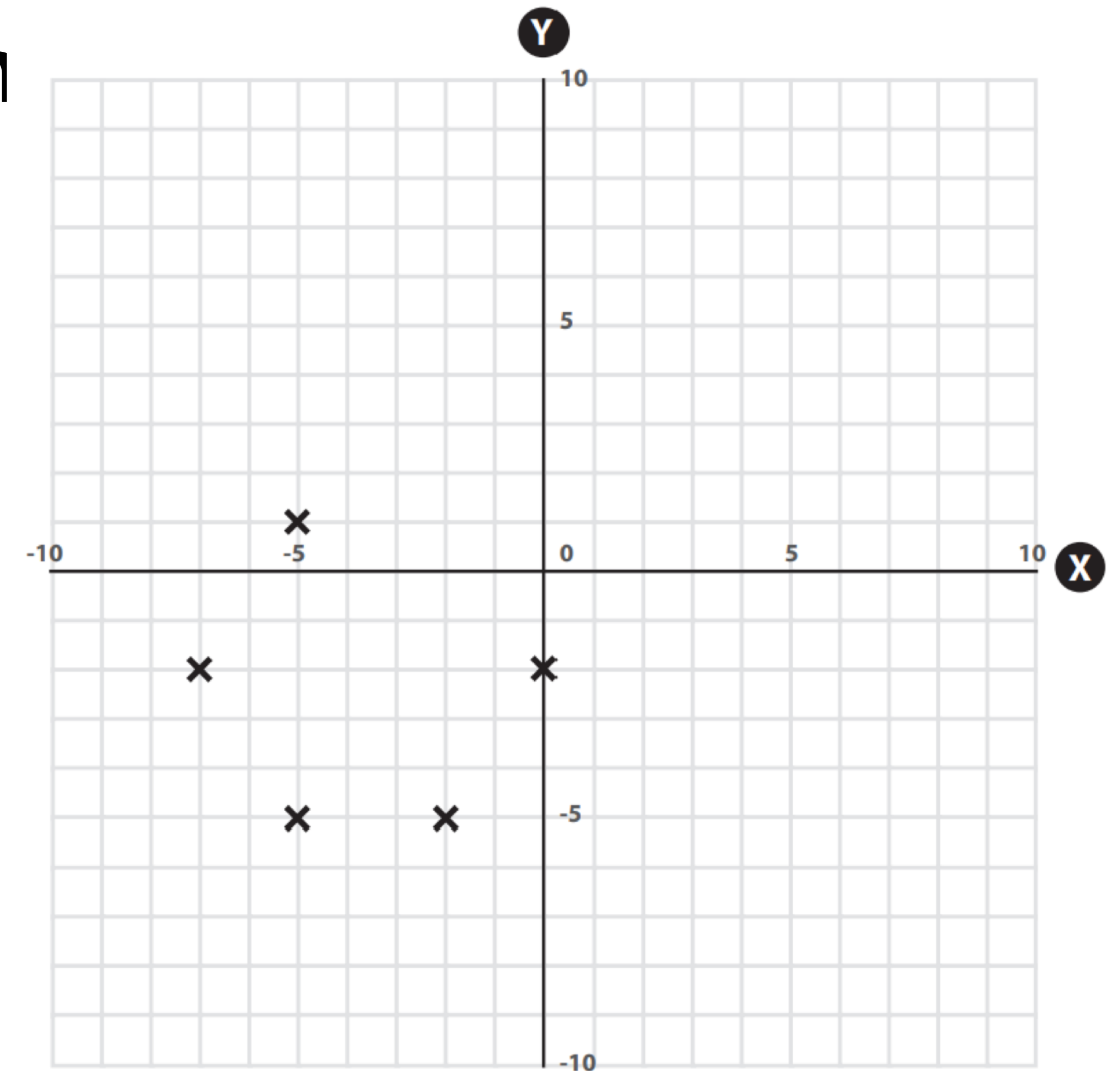
D
 90°



How to plot the corners of common shapes on a coordinate grid



59. What are the coordinates of 6th corner of the hexagon?

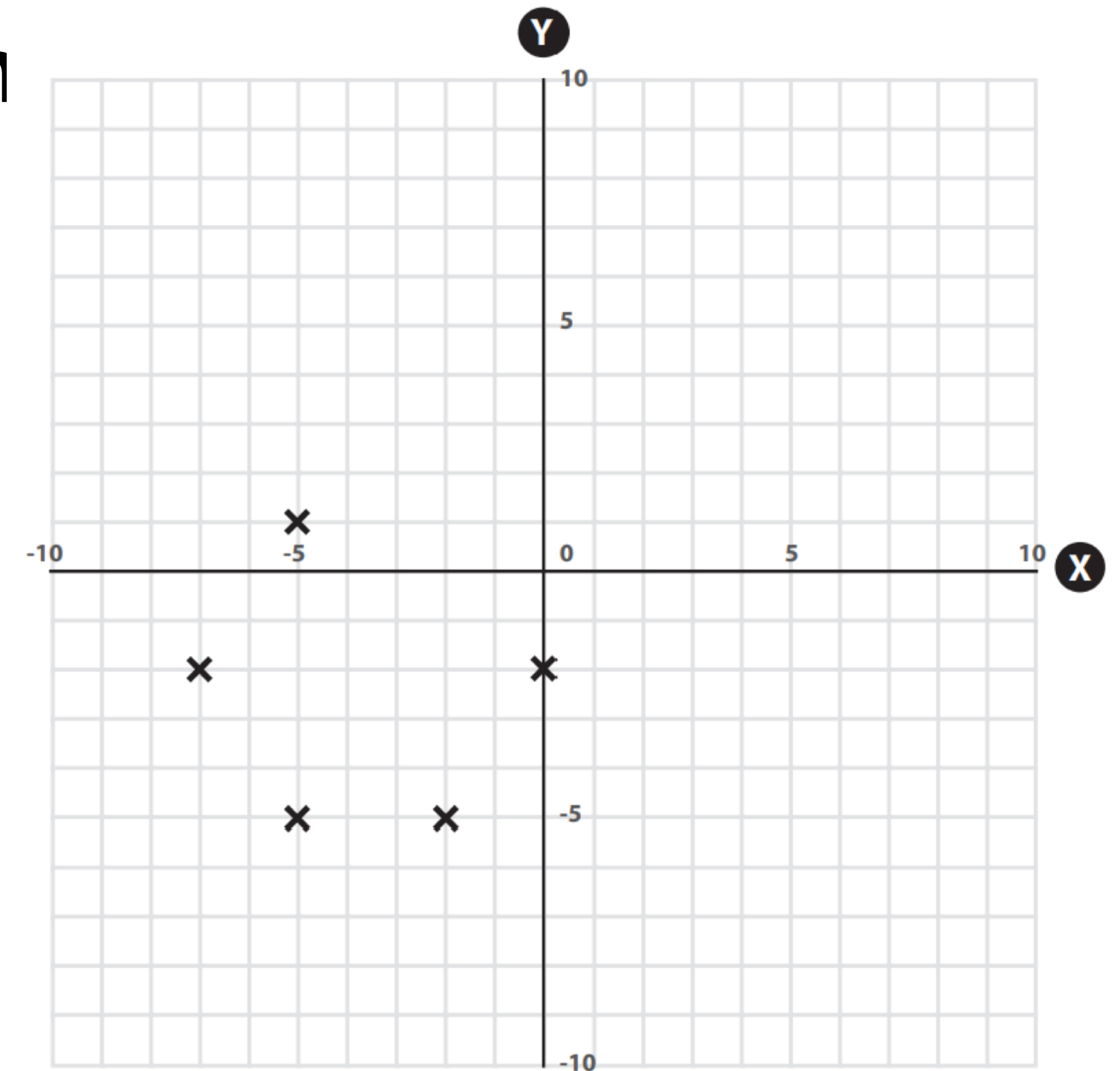


How to plot the corners of common shapes on a coordinate grid



59. What are the coordinates of 6th corner of the hexagon?

A
 $(-2, 1)$



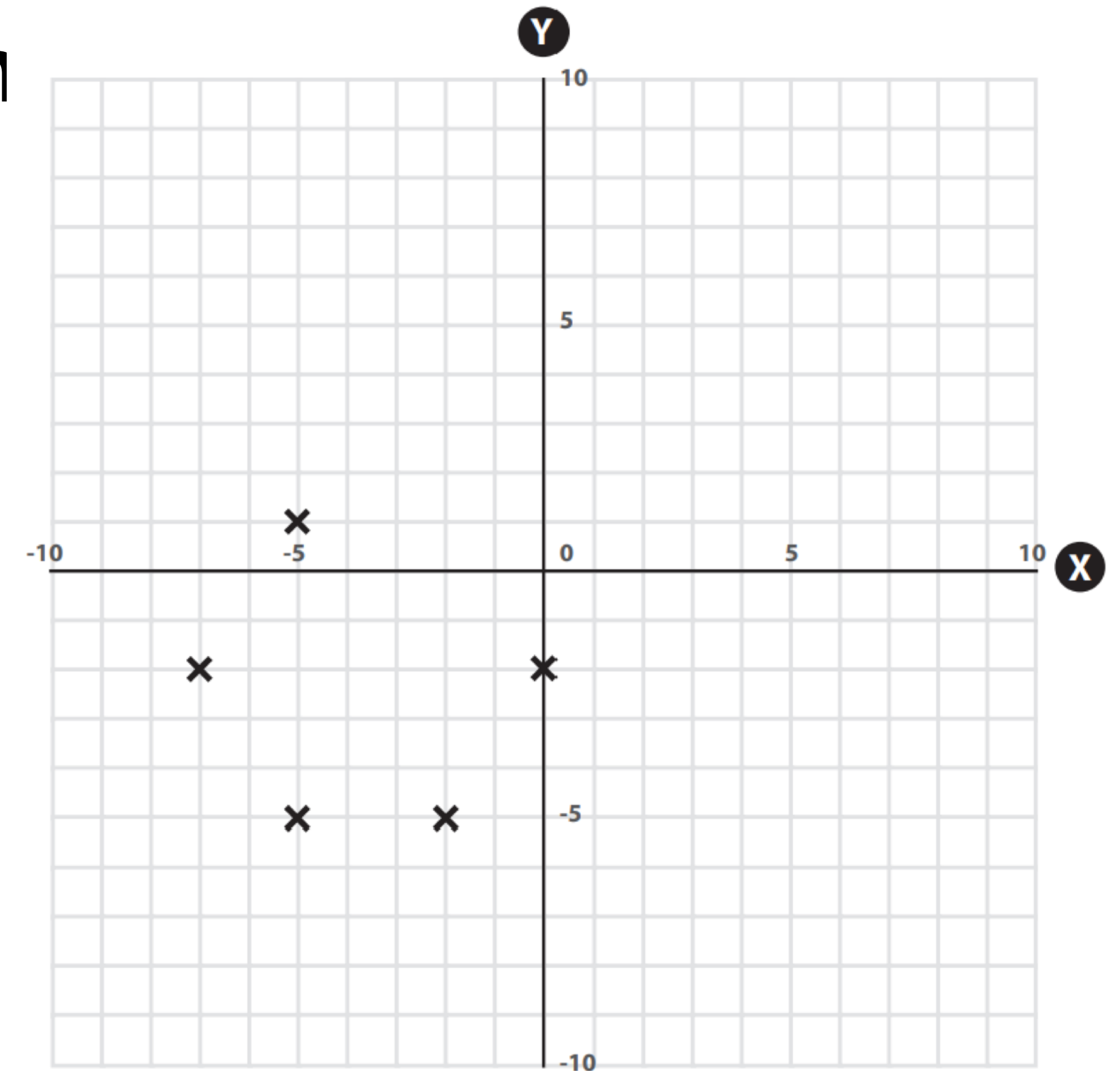
How to plot the corners of common shapes on a coordinate grid



59. What are the coordinates of 6th corner of the hexagon?

A
 $(-2, 1)$

B
 $(-3, 1)$



How to plot the corners of common shapes on a coordinate grid

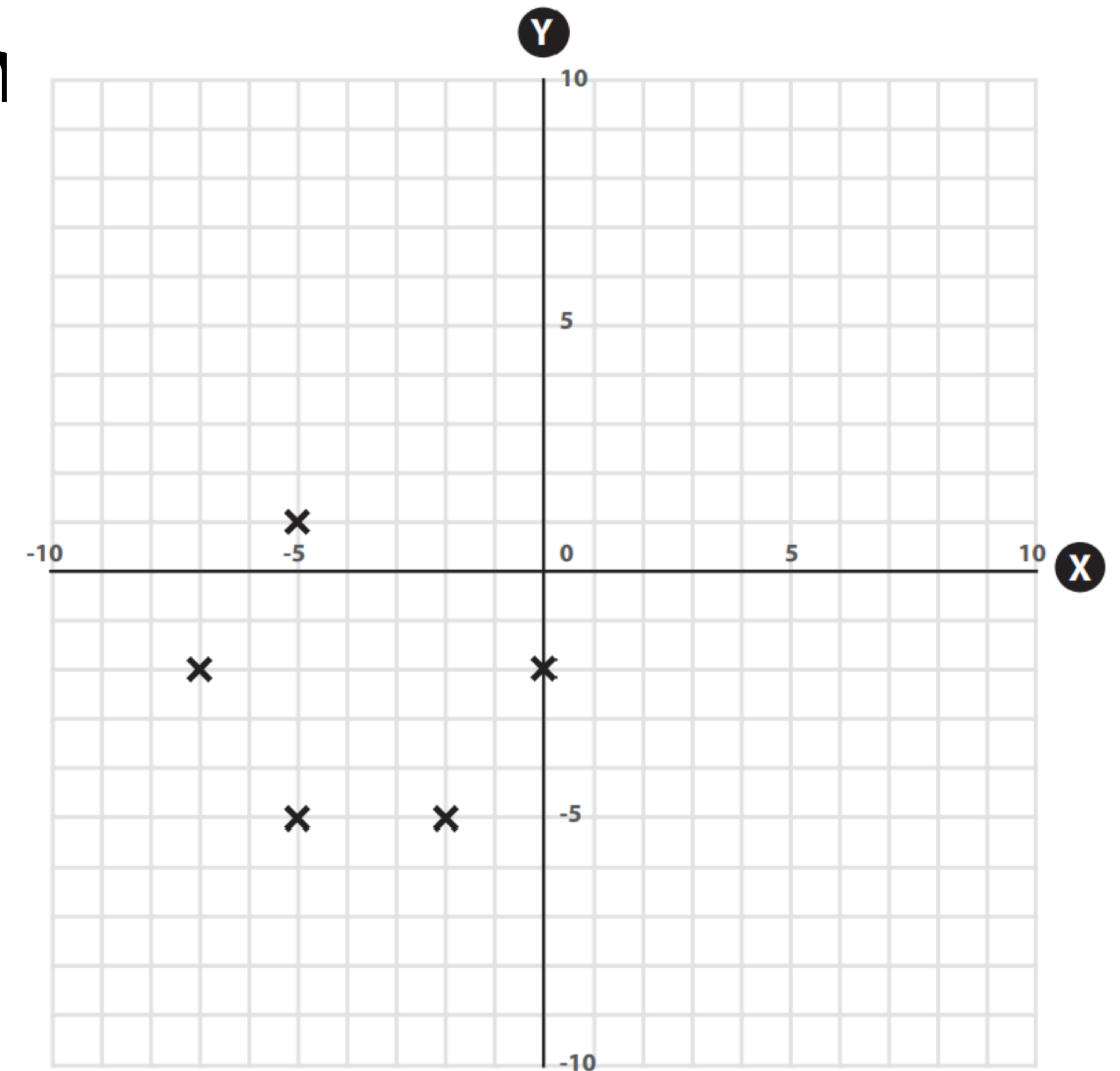


59. What are the coordinates of 6th corner of the hexagon?

A
 $(-2, 1)$

B
 $(-3, 1)$

C
 $(1, -3)$



How to plot the corners of common shapes on a coordinate grid



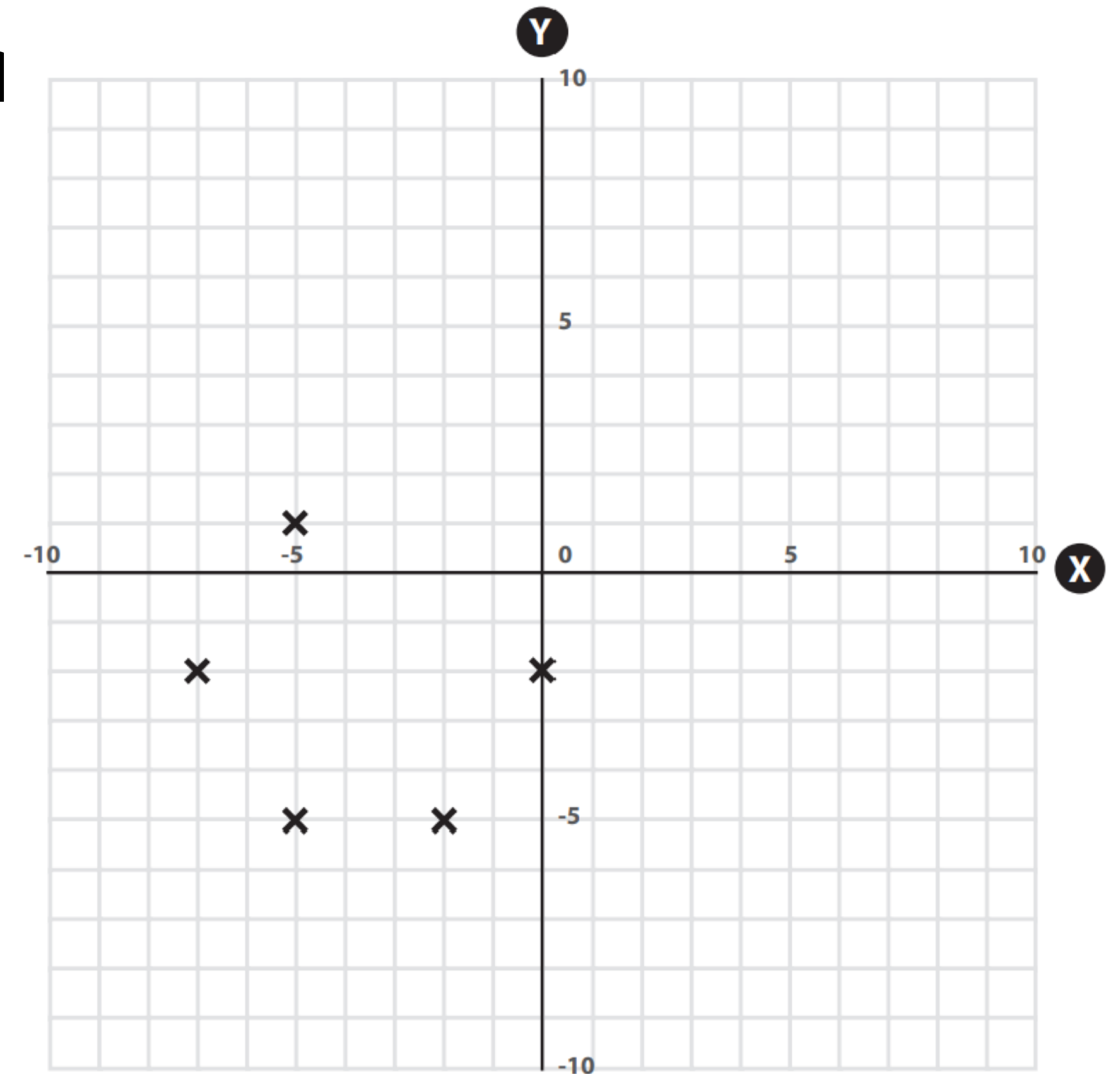
59. What are the coordinates of 6th corner of the hexagon?

A
 $(-2, 1)$

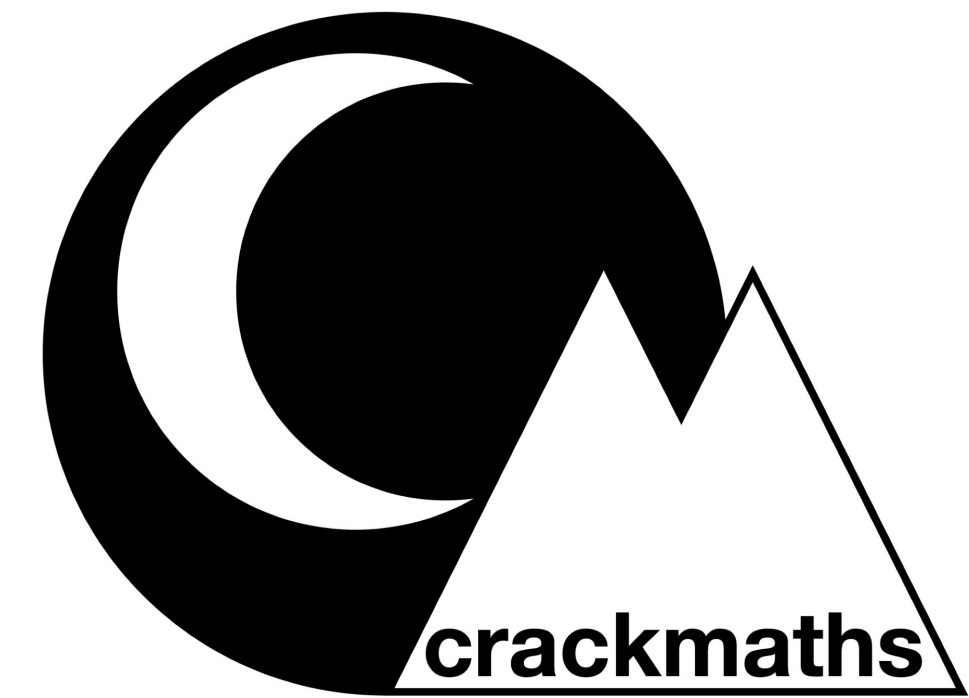
B
 $(-3, 1)$

C
 $(1, -3)$

D
 $(1, -2)$



How to plot the corners of common shapes on a coordinate grid



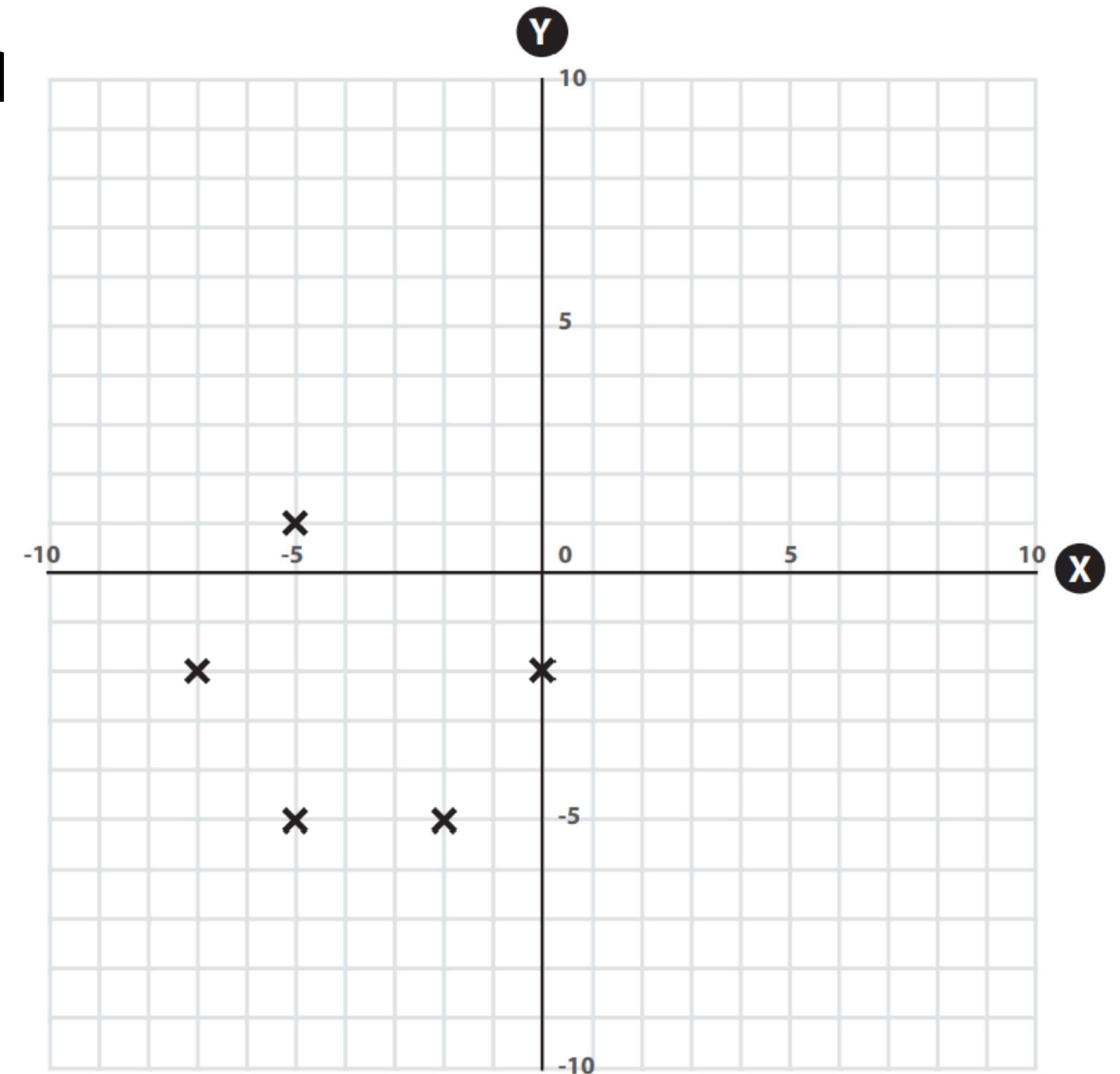
59. What are the coordinates of 6th corner of the hexagon?

A
 $(-2, 1)$

B
 $(-3, 1)$

C
 $(1, -3)$

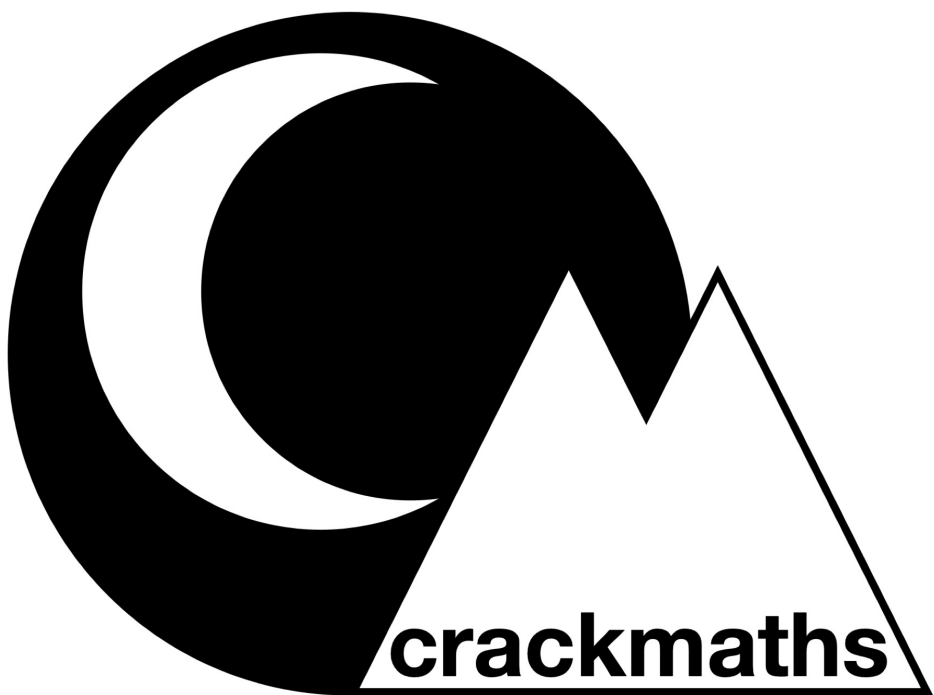
D
 $(1, -2)$





Round 3: Handling information and data

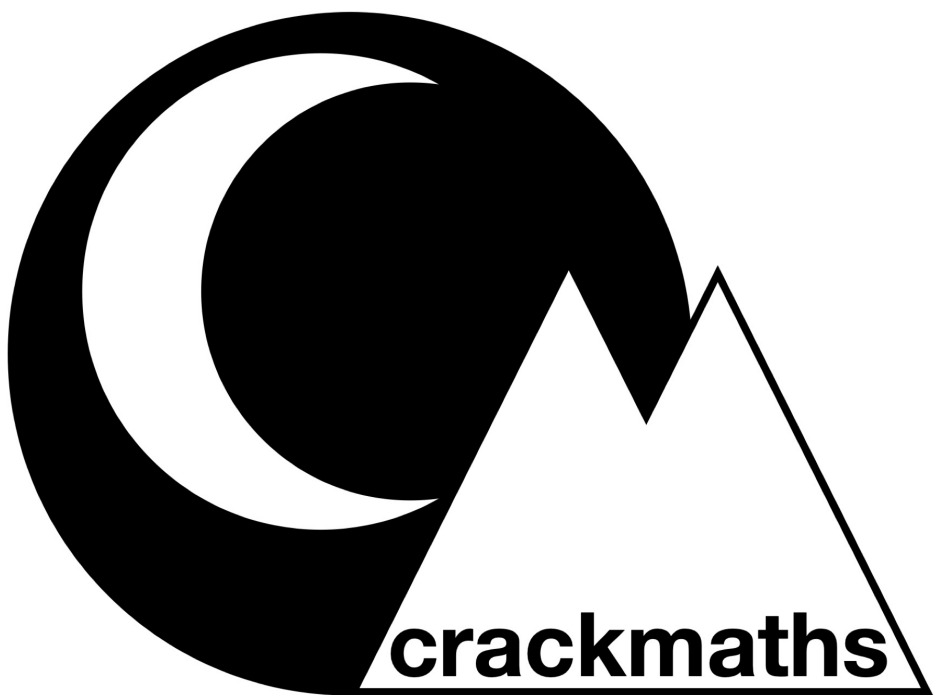
How to identify the mode from a collection of data



60. What is the modal weight of a bag of crisps from the sample below?

Weight of bags of crisps in grams(g)				
24.4	25.5	25.0	25.3	24.4
26.5	25.5	24.9	24.4	25.5
25.5	25.1	25.5	24.2	24.5

How to identify the mode from a collection of data

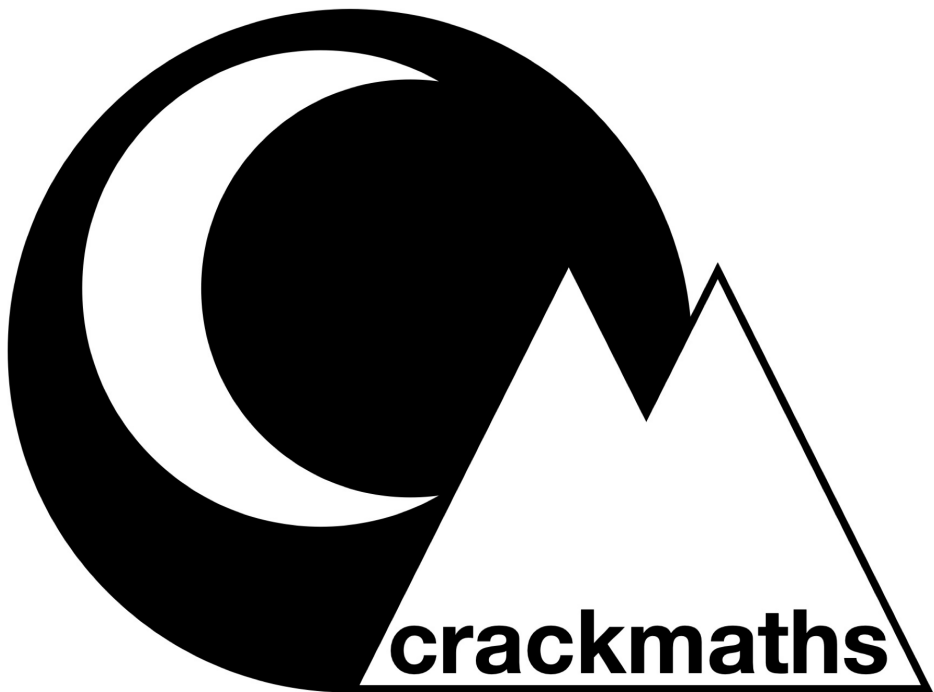


60. What is the modal weight of a bag of crisps from the sample below?

A
25.5

Weight of bags of crisps in grams(g)				
24.4	25.5	25.0	25.3	24.4
26.5	25.5	24.9	24.4	25.5
25.5	25.1	25.5	24.2	24.5

How to identify the mode from a collection of data



60. What is the modal weight of a bag of crisps from the sample below?

A

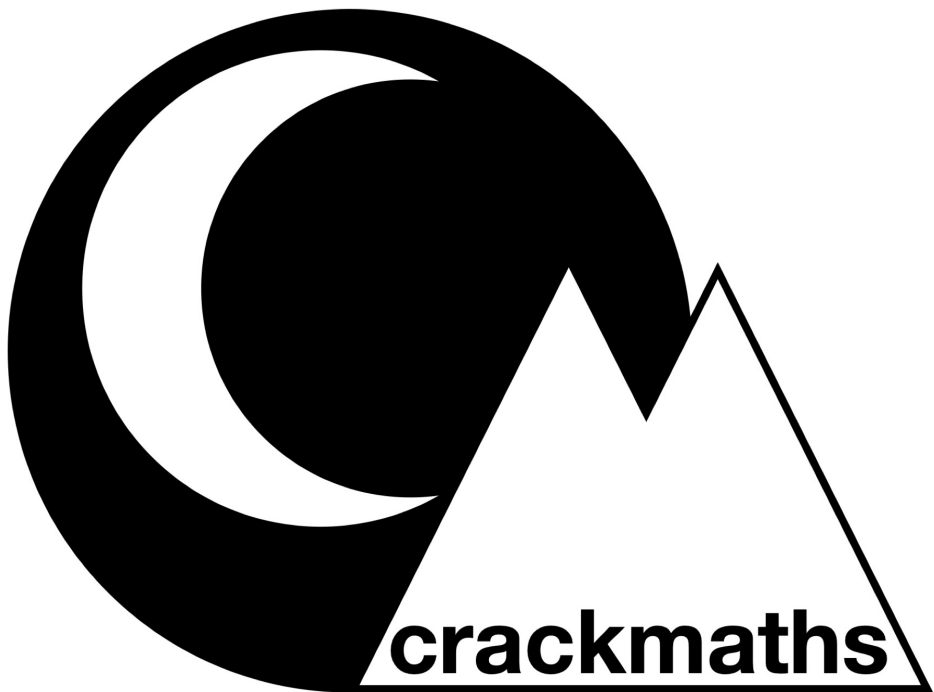
25.5

B

24.4

Weight of bags of crisps in grams(g)				
24.4	25.5	25.0	25.3	24.4
26.5	25.5	24.9	24.4	25.5
25.5	25.1	25.5	24.2	24.5

How to identify the mode from a collection of data



60. What is the modal weight of a bag of crisps from the sample below?

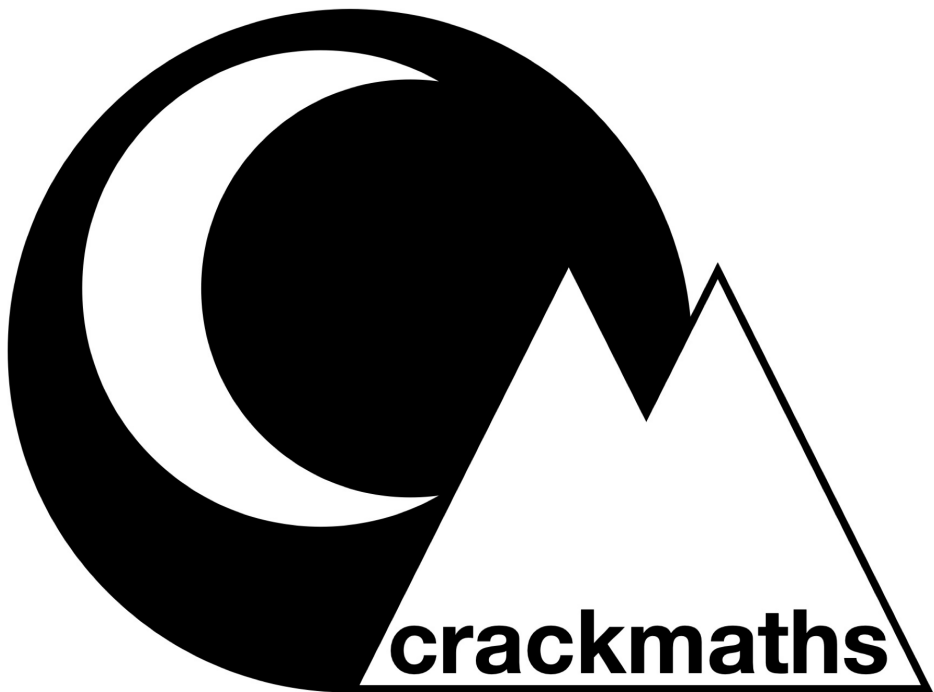
A
25.5

B
24.4

C
24.9

Weight of bags of crisps in grams(g)				
24.4	25.5	25.0	25.3	24.4
26.5	25.5	24.9	24.4	25.5
25.5	25.1	25.5	24.2	24.5

How to identify the mode from a collection of data



60. What is the modal weight of a bag of crisps from the sample below?

A
25.5

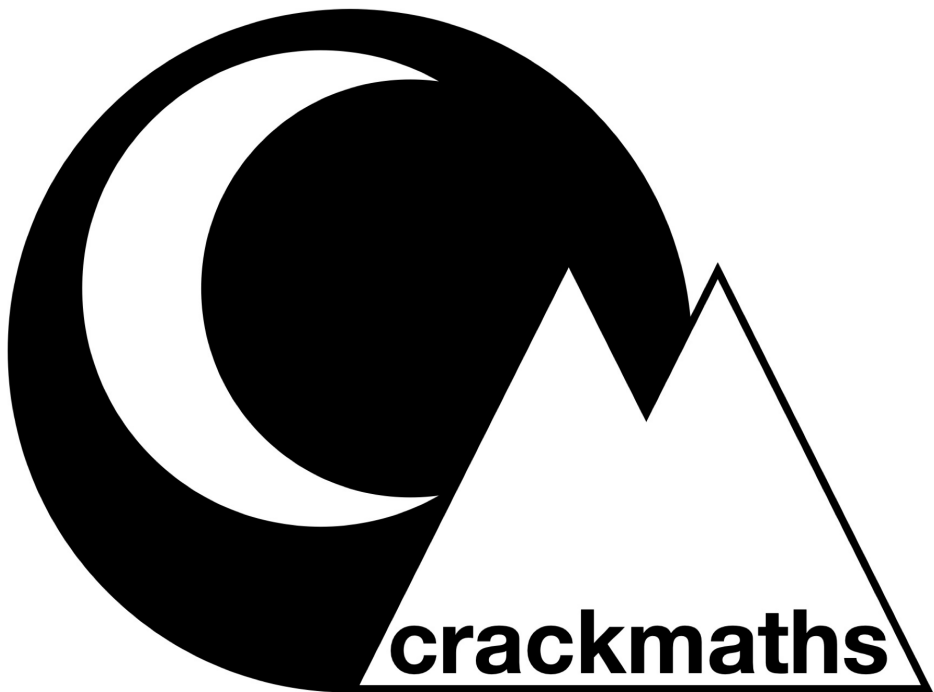
B
24.4

C
24.9

D
15

Weight of bags of crisps in grams(g)				
24.4	25.5	25.0	25.3	24.4
26.5	25.5	24.9	24.4	25.5
25.5	25.1	25.5	24.2	24.5

How to identify the mode from a collection of data



60. What is the modal weight of a bag of crisps from the sample below?

A
25.5

B
24.4

C
24.9

D
15

Weight of bags of crisps in grams(g)				
24.4	25.5	25.0	25.3	24.4
26.5	25.5	24.9	24.4	25.5
25.5	25.1	25.5	24.2	24.5

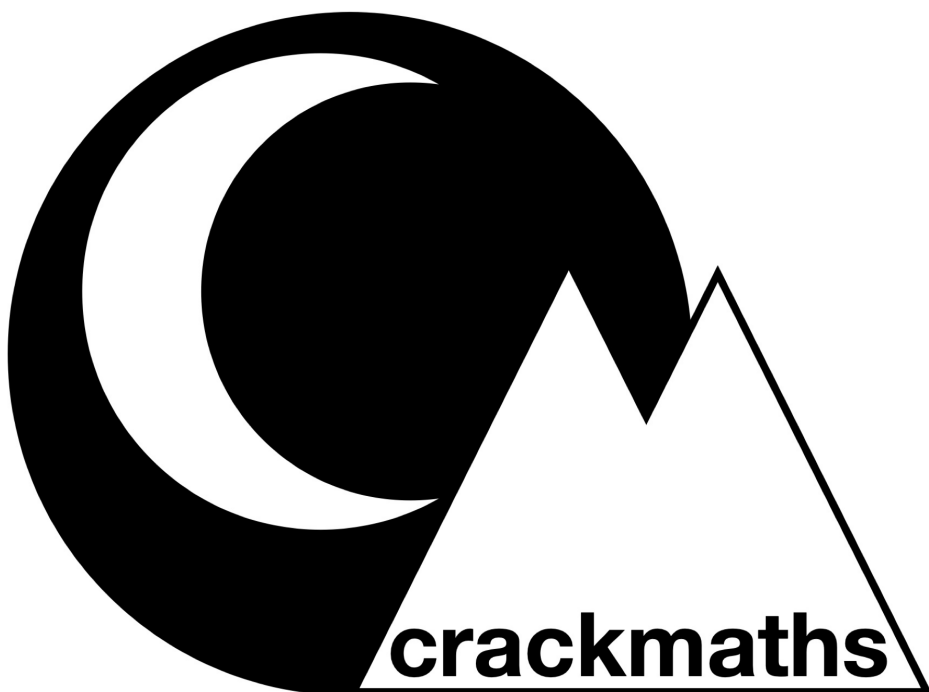
How to identify the median from a collection of data



61. What is the median volume of juice from the sample below?

Test number	Volume of juice
1	73 ml
2	66 ml
3	70 ml
4	65 ml
5	67 ml
6	71 ml
7	72 ml

How to identify the median from a collection of data

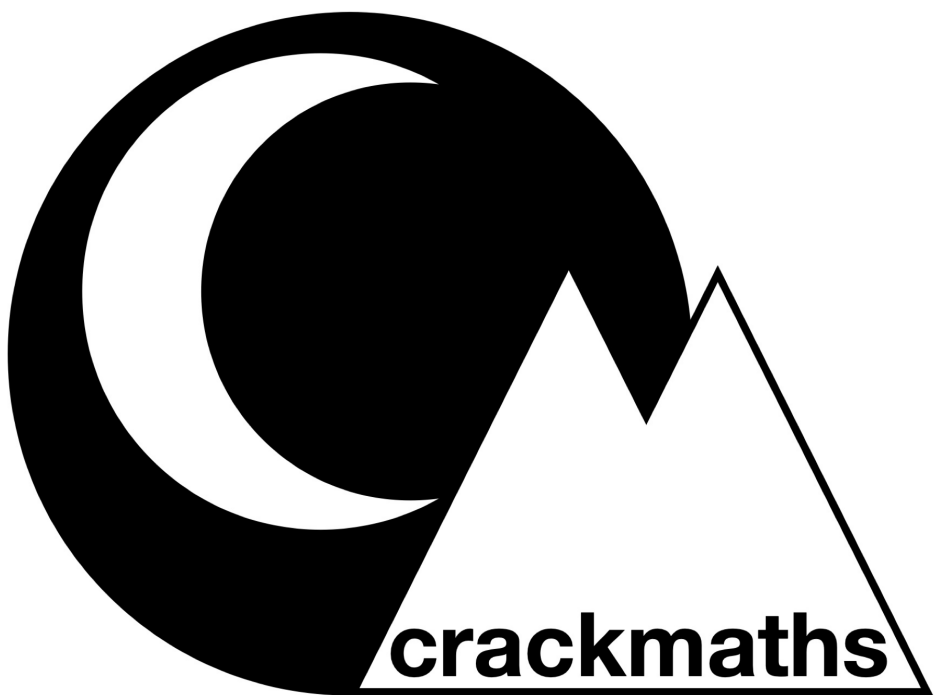


61. What is the median volume of juice from the sample below?

A
4ml

Test number	Volume of juice
1	73 ml
2	66 ml
3	70 ml
4	65 ml
5	67 ml
6	71 ml
7	72 ml

How to identify the median from a collection of data



61. What is the median volume of juice from the sample below?

A
4ml

B
65ml

Test number	Volume of juice
1	73 ml
2	66 ml
3	70 ml
4	65 ml
5	67 ml
6	71 ml
7	72 ml

How to identify the median from a collection of data



61. What is the median volume of juice from the sample below?

A
4ml

B
65ml

C
70ml

Test number	Volume of juice
1	73 ml
2	66 ml
3	70 ml
4	65 ml
5	67 ml
6	71 ml
7	72 ml

How to identify the median from a collection of data



61. What is the median volume of juice from the sample below?

A
4ml

B
65ml

C
70ml

D
69.1ml

Test number	Volume of juice
1	73 ml
2	66 ml
3	70 ml
4	65 ml
5	67 ml
6	71 ml
7	72 ml

How to identify the median from a collection of data



61. What is the median volume of juice from the sample below?

A
4ml

B
65ml

C
70ml

D
69.1ml

Test number	Volume of juice
1	73 ml
2	66 ml
3	70 ml
4	65 ml
5	67 ml
6	71 ml
7	72 ml

How to calculate the mean from a set of data



**62. Calculate the mean of the following values:
14, 20, 18, 18, 25, 19**

How to calculate the mean from a set of data



**62. Calculate the mean of the following values:
14, 20, 18, 18, 25, 19**

A
19

How to calculate the mean from a set of data



**62. Calculate the mean of the following values:
14, 20, 18, 18, 25, 19**

A
19

B
18

How to calculate the mean from a set of data



62. Calculate the mean of the following values:
14, 20, 18, 18, 25, 19

A
19

B
18

C
11

How to calculate the mean from a set of data



**62. Calculate the mean of the following values:
14, 20, 18, 18, 25, 19**

A
19

B
18

C
11

D
18.5

How to calculate the mean from a set of data



62. Calculate the mean of the following values:
14, 20, 18, 18, 25, 19

A
19

B
18

C
11

D
18.5

How to estimate the mean from a grouped frequency table



63. The table shows the weights in kg of 12 people. Estimate the mean weight?

Weight (W)	Frequency
$55 \leq W < 60$	4
$60 \leq W < 65$	6
$65 \leq W < 70$	2

How to estimate the mean from a grouped frequency table



63. The table shows the weights in kg of 12 people. Estimate the mean weight?

A
62.5kg

Weight (W)	Frequency
$55 \leq W < 60$	4
$60 \leq W < 65$	6
$65 \leq W < 70$	2

How to estimate the mean from a grouped frequency table



63. The table shows the weights in kg of 12 people. Estimate the mean weight?

A
62.5kg

B
61.6kg

Weight (W)	Frequency
$55 \leq W < 60$	4
$60 \leq W < 65$	6
$65 \leq W < 70$	2

How to estimate the mean from a grouped frequency table



63. The table shows the weights in kg of 12 people. Estimate the mean weight?

A
62.5kg

B
61.6kg

C
246.7kg

Weight (W)	Frequency
$55 \leq W < 60$	4
$60 \leq W < 65$	6
$65 \leq W < 70$	2

How to estimate the mean from a grouped frequency table



63. The table shows the weights in kg of 12 people. Estimate the mean weight?

A
62.5kg

B
61.6kg

C
246.7kg

D
4kg

Weight (W)	Frequency
$55 \leq W < 60$	4
$60 \leq W < 65$	6
$65 \leq W < 70$	2

How to estimate the mean from a grouped frequency table



63. The table shows the weights in kg of 12 people. Estimate the mean weight?

A
62.5kg

B
61.6kg

C
246.7kg

D
4kg

Weight (W)	Frequency
$55 \leq W < 60$	4
$60 \leq W < 65$	6
$65 \leq W < 70$	2

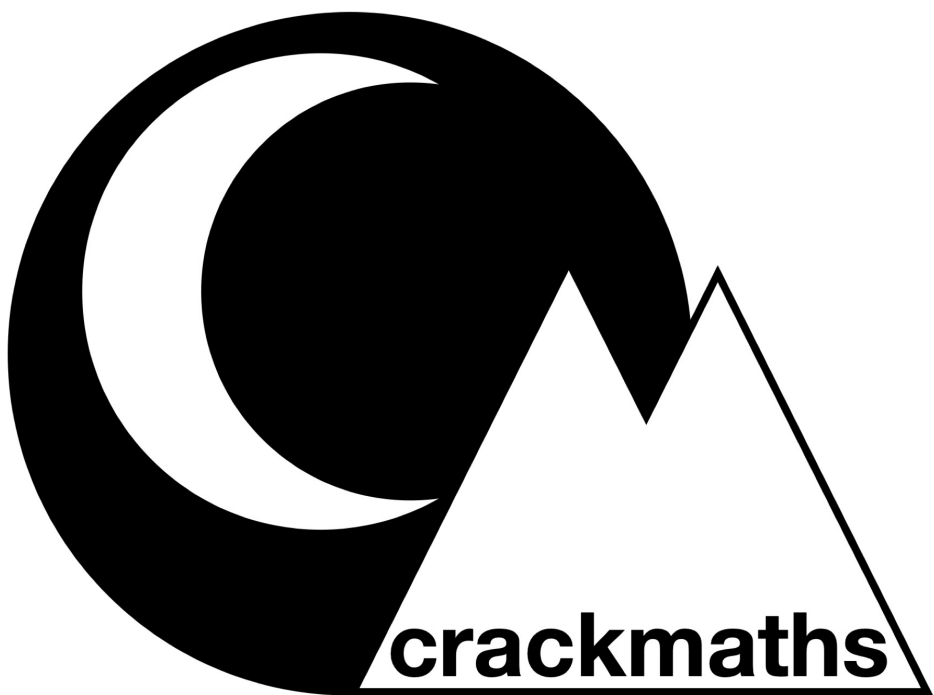
How to compare two data sets using the median and range



64. Which statement is a correct comparisons?

Scores in last eight matches	
Dave	Elaine
78	87
48	98
102	101
98	84
86	93
101	79
67	87
96	97

How to compare two data sets using the median and range

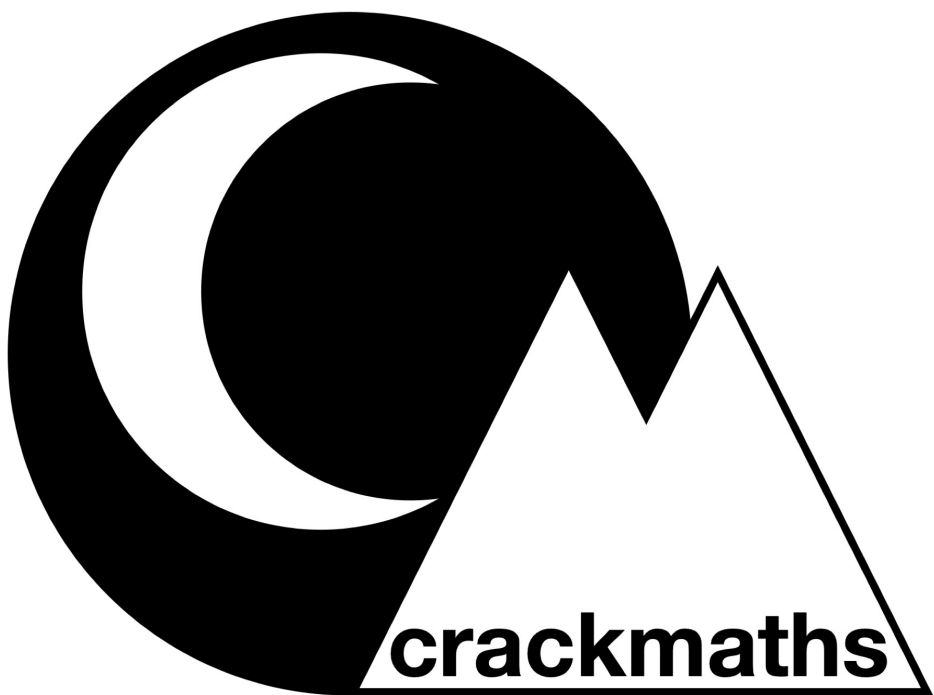


64. Which statement is a correct comparisons?

A
Elaine’s scores are
lower than Dave’s

Scores in last eight matches	
Dave	Elaine
78	87
48	98
102	101
98	84
86	93
101	79
67	87
96	97

How to compare two data sets using the median and range



64. Which statement is a correct comparisons?

A
Elaine's scores are lower than Dave's

B
Dave has a higher range so he is better

Scores in last eight matches	
Dave	Elaine
78	87
48	98
102	101
98	84
86	93
101	79
67	87
96	97

How to compare two data sets using the median and range



64. Which statement is a correct comparisons?

A

Elaine's scores are lower than Dave's

B

Dave has a higher range so he is better

C

Dave has a lower median

Scores in last eight matches	
Dave	Elaine
78	87
48	98
102	101
98	84
86	93
101	79
67	87
96	97

How to compare two data sets using the median and range



64. Which statement is a correct comparisons?

A

Elaine's scores are lower than Dave's

B

Dave has a higher range so he is better

C

Dave has a lower median

D

Elaine's range shows she's more consistent

Scores in last eight matches	
Dave	Elaine
78	87
48	98
102	101
98	84
86	93
101	79
67	87
96	97

How to compare two data sets using the median and range



64. Which statement is a correct comparisons?

A

Elaine's scores are lower than Dave's

B

Dave has a higher range so he is better

C

Dave has a lower median

D

Elaine's scores are more consistent

Scores in last eight matches	
Dave	Elaine
78	87
48	98
102	101
98	84
86	93
101	79
67	87
96	97

How to calculate probability from a two-way table



65. What is the probability that an applicant from the table, chosen at random is male and on course B?

	Course A	Course B
Male applicant	22	71
Female applicant	59	48

How to calculate probability from a two-way table



65. What is the probability that an applicant from the table, chosen at random is male and on course B?

$\frac{A}{1/4}$

	Course A	Course B
Male applicant	22	71
Female applicant	59	48

How to calculate probability from a two-way table



65. What is the probability that an applicant from the table, chosen at random is male and on course B?

$\frac{A}{1/4}$

$\frac{B}{71/93}$

	Course A	Course B
Male applicant	22	71
Female applicant	59	48

How to calculate probability from a two-way table



65. What is the probability that an applicant from the table, chosen at random is male and on course B?

A

$\frac{1}{4}$

B

$\frac{71}{93}$

C

$\frac{71}{200}$

	Course A	Course B
Male applicant	22	71
Female applicant	59	48

How to calculate probability from a two-way table



65. What is the probability that an applicant from the table, chosen at random is male and on course B?

$$\frac{\underline{A}}{1/4}$$

$$\frac{\underline{B}}{71/93}$$

$$\frac{\underline{C}}{71/200}$$

$$\frac{\underline{D}}{71/119}$$

	Course A	Course B
Male applicant	22	71
Female applicant	59	48

How to calculate probability from a two-way table



65. What is the probability that an applicant from the table, chosen at random is male and on course B?

$$\frac{A}{1/4}$$

$$\frac{B}{71/93}$$

$$\frac{C}{71/200}$$

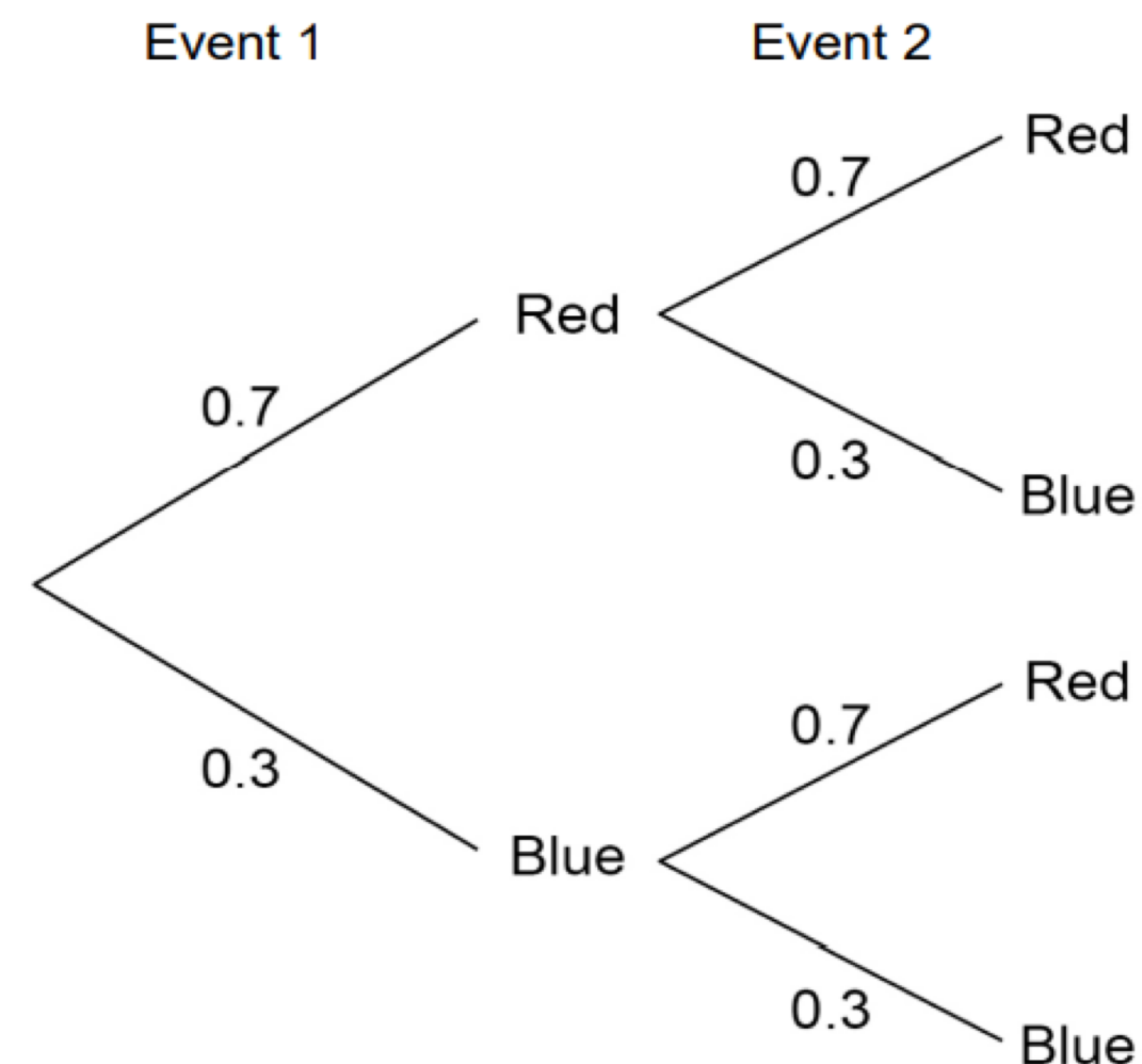
$$\frac{D}{71/119}$$

	Course A	Course B
Male applicant	22	71
Female applicant	59	48

How to calculate probability from a probability tree



66. Using the tree diagram calculate the probability of getting red in both events 1 and 2?

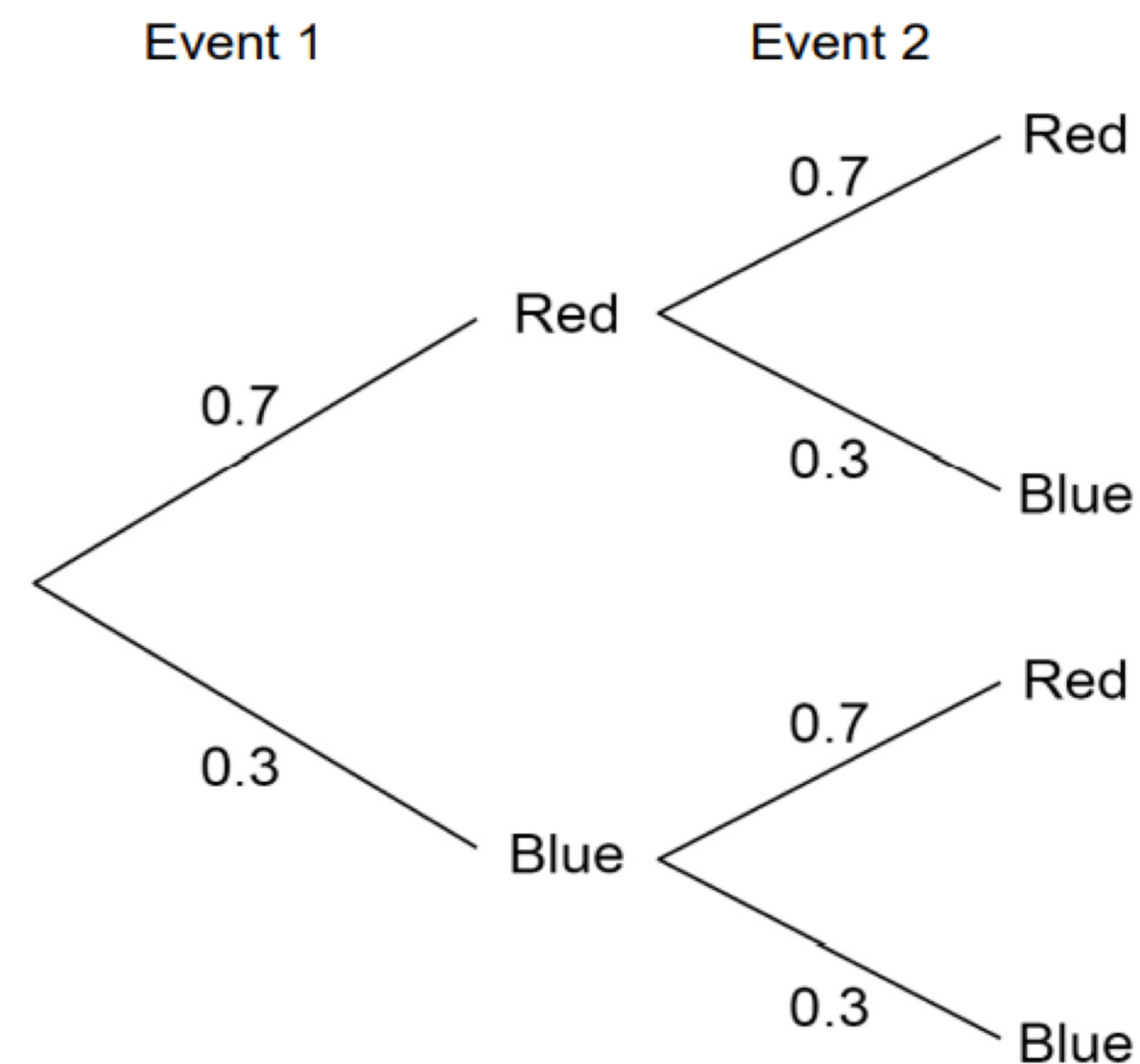


How to calculate probability from a probability tree



66. Using the tree diagram calculate the probability of getting red in both events 1 and 2?

A
1.4



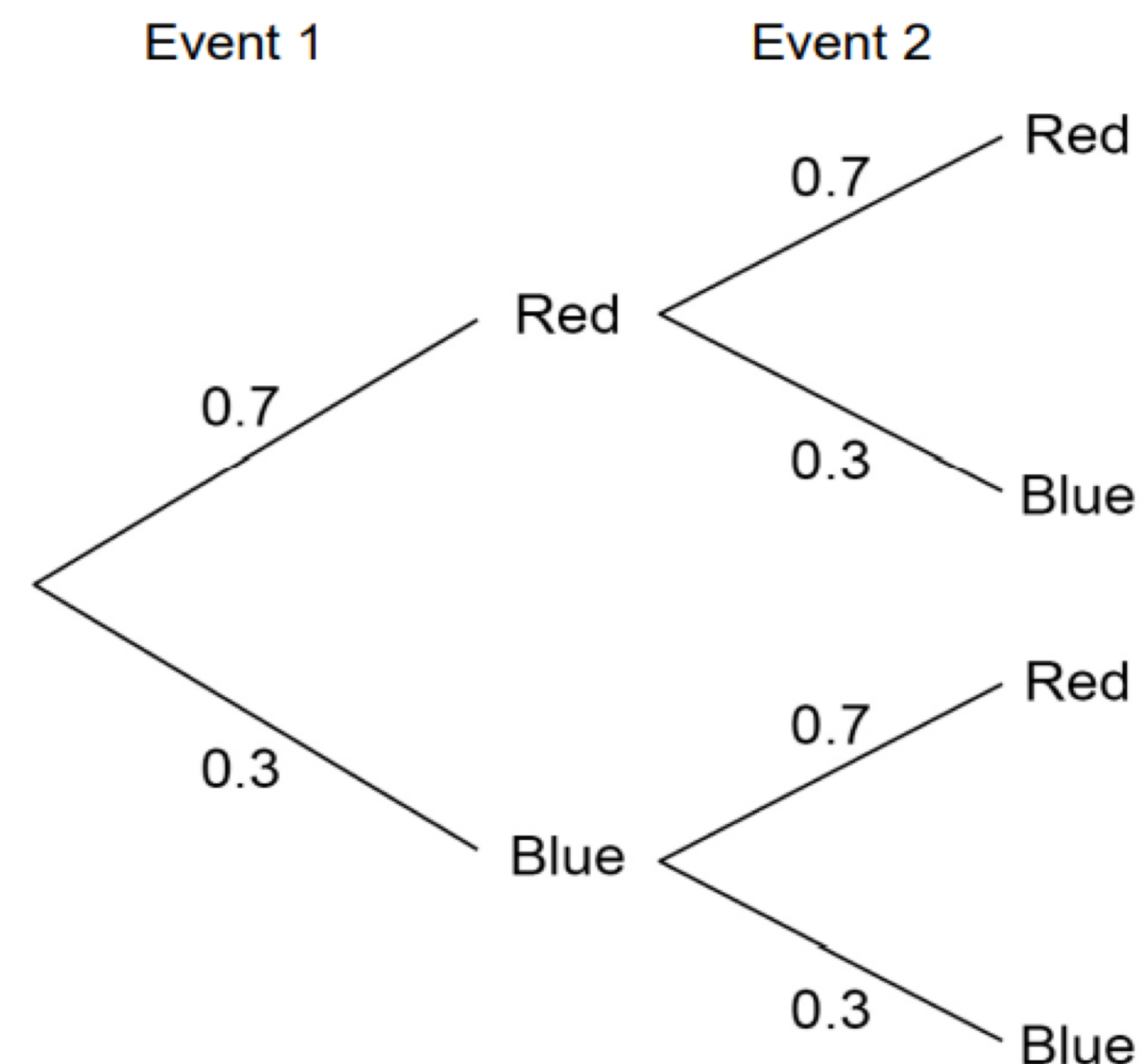
How to calculate probability from a probability tree



66. Using the tree diagram calculate the probability of getting red in both events 1 and 2?

<u>A</u> 1.4

<u>B</u> 0.49



How to calculate probability from a probability tree



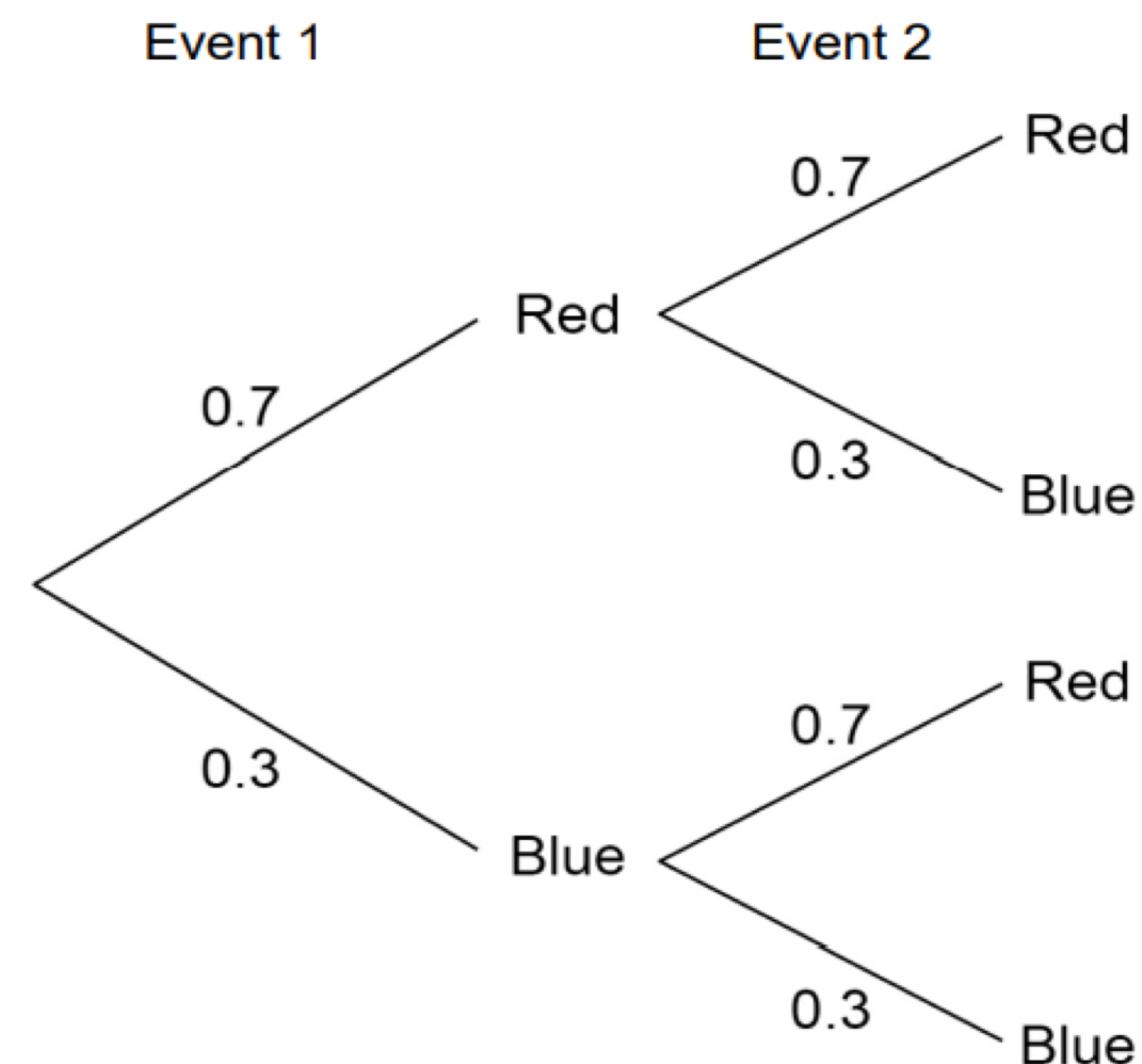
66. Using the tree diagram calculate the probability of getting red in both events 1 and 2?

A
1.4

B
0.49

C
0.21

crackmaths.co.uk



How to calculate probability from a probability tree



66. Using the tree diagram calculate the probability of getting red in both events 1 and 2?

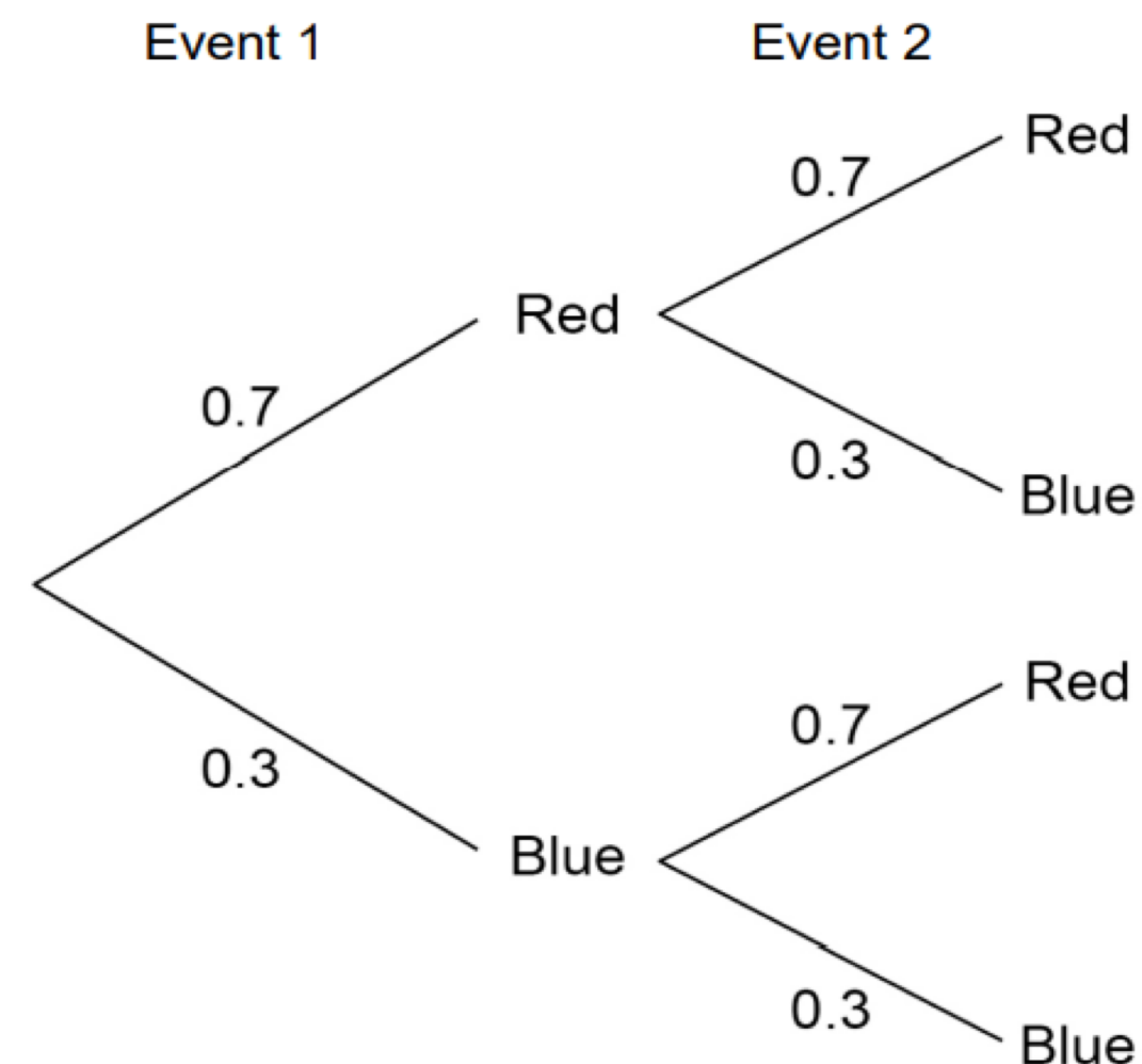
<u>A</u>
1.4

<u>B</u>
0.49

<u>C</u>
0.21

<u>D</u>
0.09

crackmaths.co.uk



How to calculate probability from a probability tree



66. Using the tree diagram calculate the probability of getting red in both events 1 and 2?

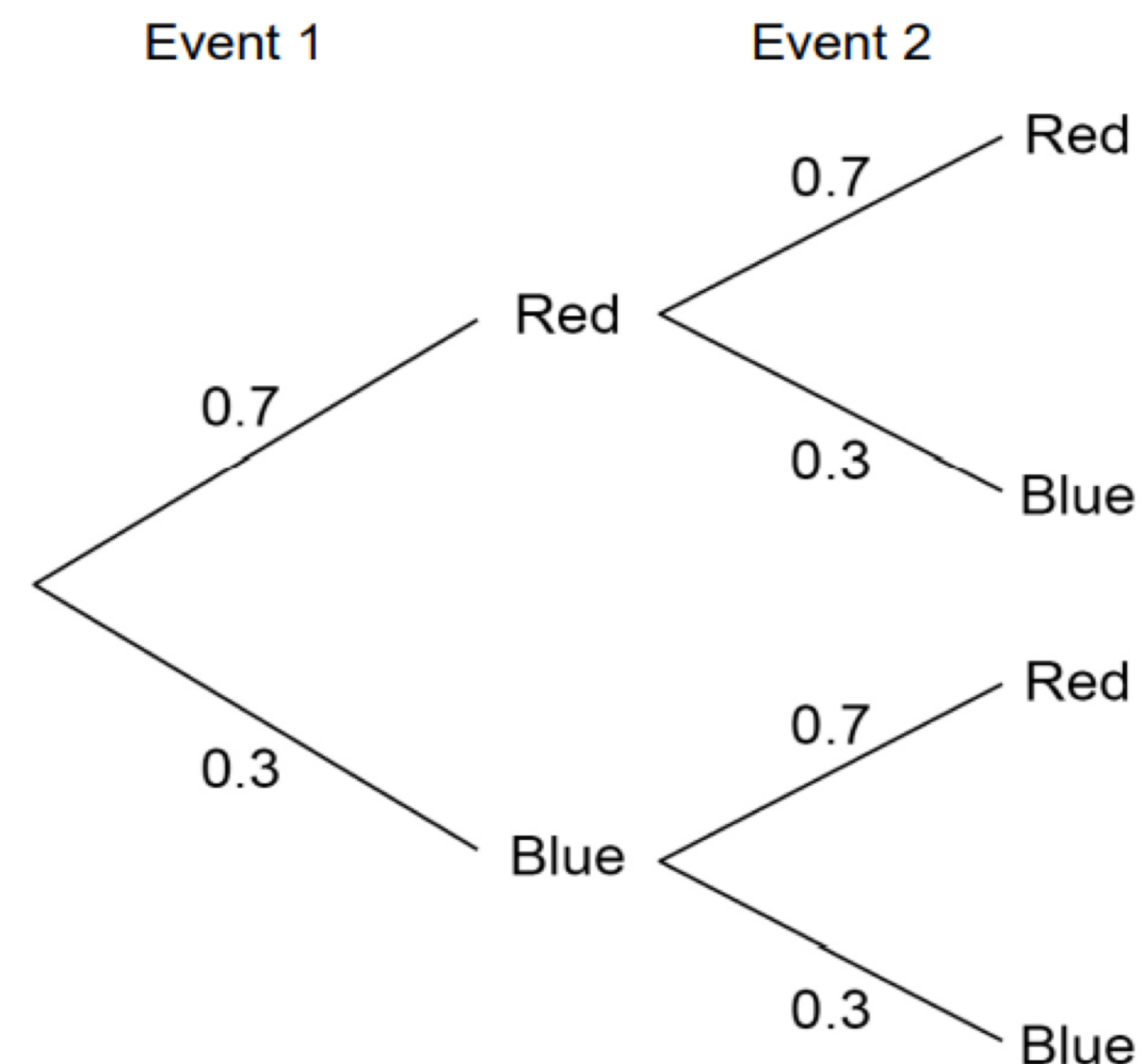
<u>A</u> 1.4

<u>B</u> 0.49

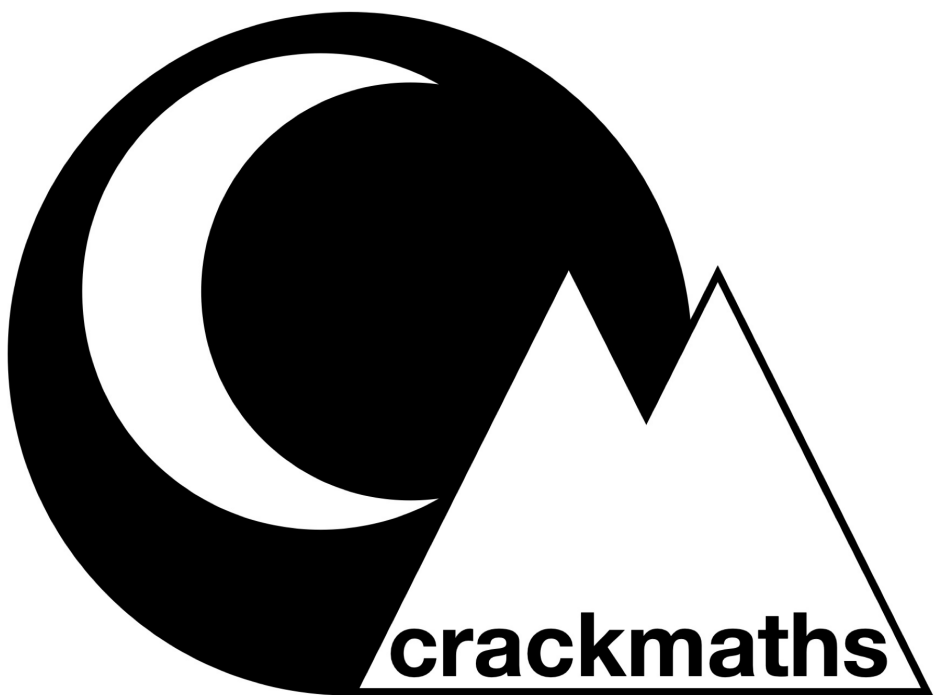
<u>C</u> 0.21

<u>D</u> 0.09

crackmaths.co.uk



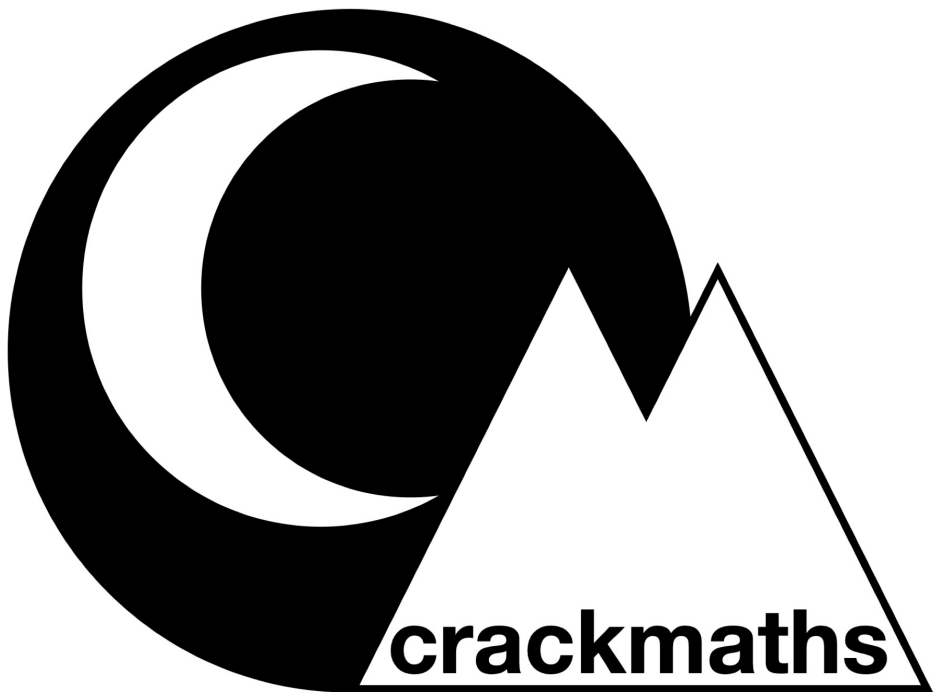
How to fill in the missing information in a two-way table



67. Using the two-way table, calculate how many people passed English

	English	Maths	Total
Pass		76	165
Fail	14		35
Total	103	97	

How to fill in the missing information in a two-way table

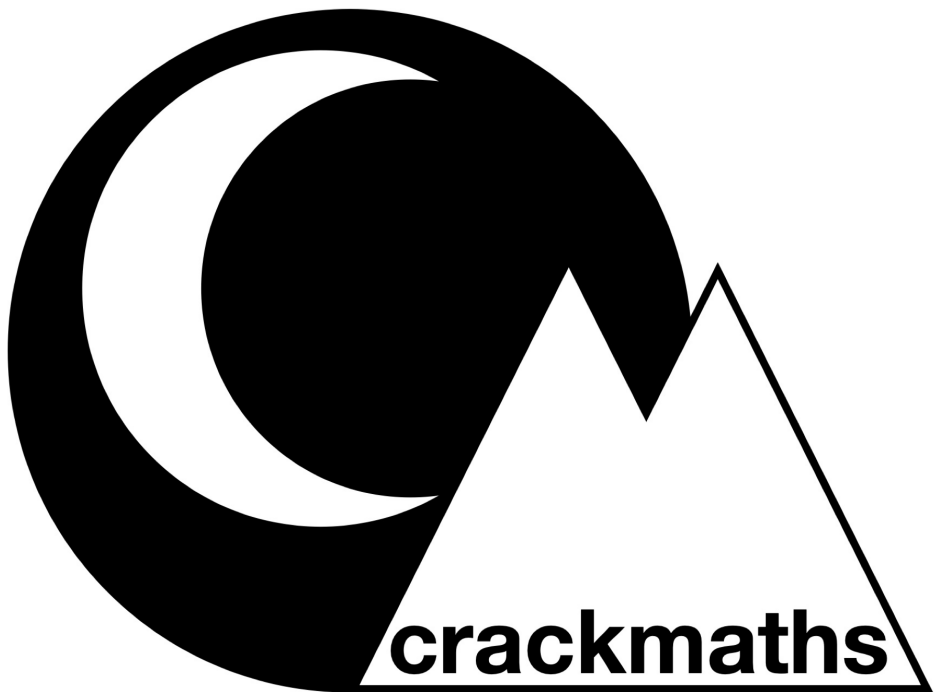


67. Using the two-way table, calculate how many people passed English

<u>A</u> 14

	English	Maths	Total
Pass		76	165
Fail	14		35
Total	103	97	

How to fill in the missing information in a two-way table



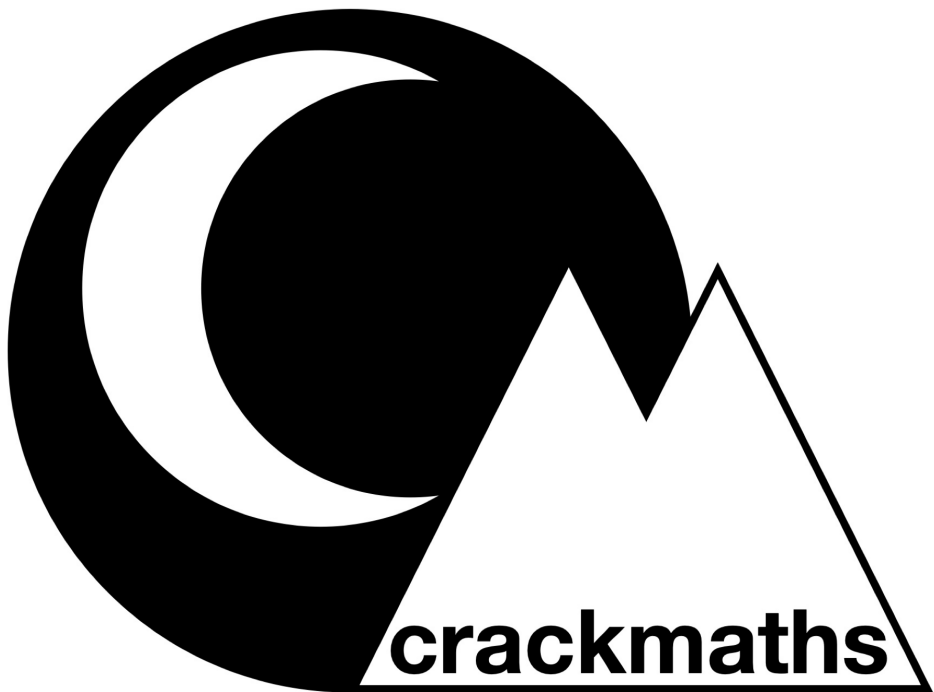
67. Using the two-way table, calculate how many people passed English

<u>A</u>
14

<u>B</u>
76

	English	Maths	Total
Pass		76	165
Fail	14		35
Total	103	97	

How to fill in the missing information in a two-way table



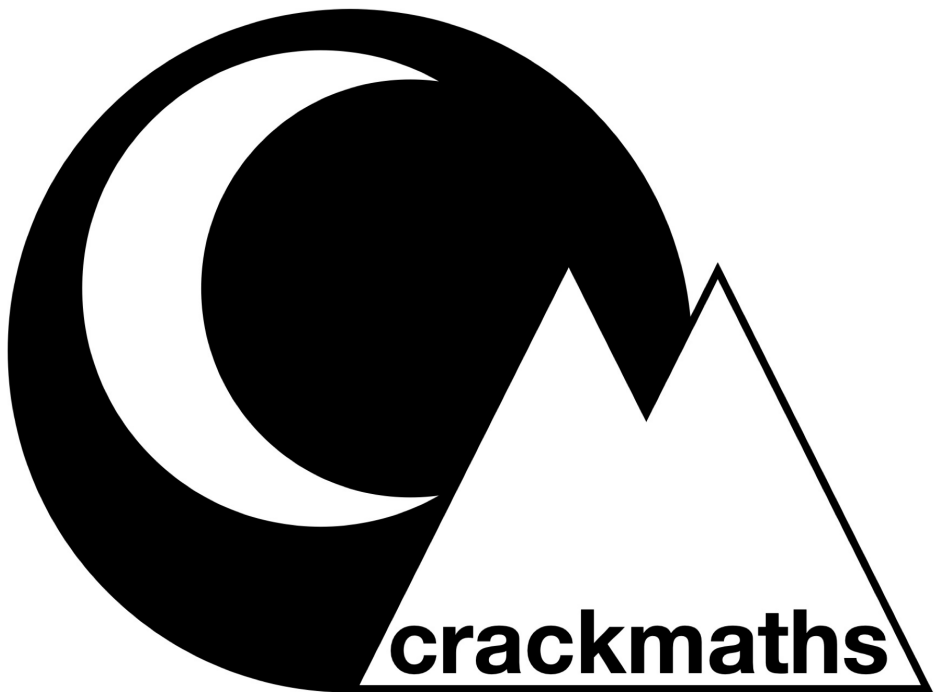
67. Using the two-way table, calculate how many people passed English

<u>A</u> 14
<u>C</u> 89

<u>B</u> 76

	English	Maths	Total
Pass		76	165
Fail	14		35
Total	103	97	

How to fill in the missing information in a two-way table



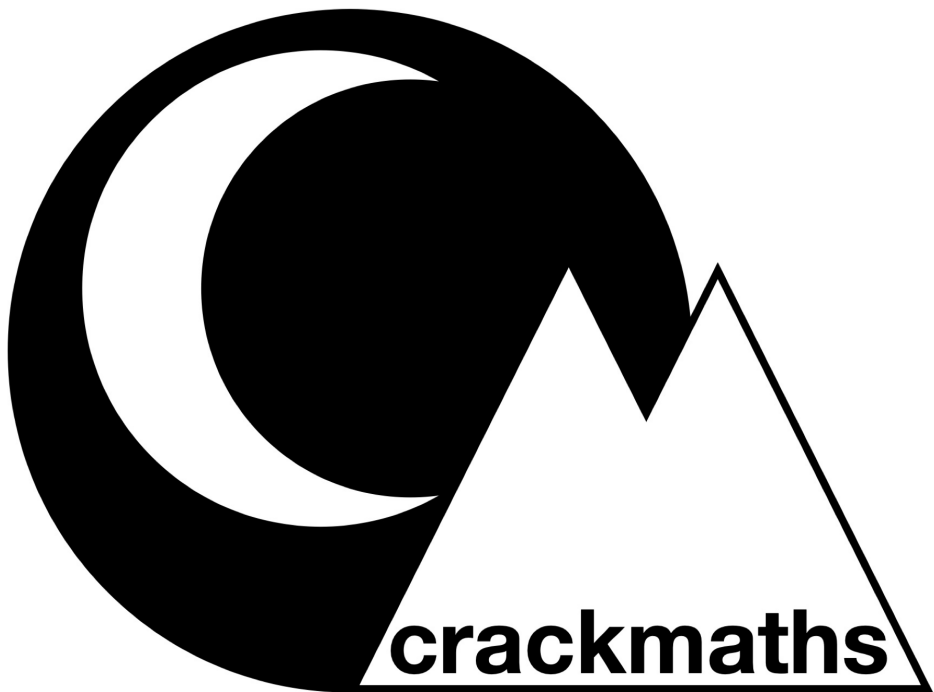
67. Using the two-way table, calculate how many people passed English

<u>A</u> 14
<u>C</u> 89

<u>B</u> 76
<u>D</u> 200

	English	Maths	Total
Pass		76	165
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How to fill in the missing information in a two-way table



67. Using the two-way table, calculate how many people passed English

<u>A</u> 14
<u>C</u> 89

<u>B</u> 76
<u>D</u> 200

	English	Maths	Total
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Fail	14		35
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How to calculate the probability of something not happening



68. If the probability of something happening is 0.8, what is the probability of it not happening?

How to calculate the probability of something not happening



68. If the probability of something happening is 0.8, what is the probability of it not happening?

A
 $\frac{3}{5}$

How to calculate the probability of something not happening



68. If the probability of something happening is 0.8, what is the probability of it not happening?

$$\frac{\underline{A}}{3/5}$$

$$\frac{\underline{B}}{1/8}$$

How to calculate the probability of something not happening



68. If the probability of something happening is 0.8, what is the probability of it not happening?

$$\underline{\mathbf{A}}$$
$$\frac{3}{5}$$

$$\underline{\mathbf{B}}$$
$$\frac{1}{8}$$

$$\underline{\mathbf{C}}$$
$$20\%$$

How to calculate the probability of something not happening



68. If the probability of something happening is 0.8, what is the probability of it not happening?

A

$\frac{3}{5}$

B

$\frac{1}{8}$

C

20%

D

80%

How to calculate the probability of something not happening



68. If the probability of something happening is 0.8, what is the probability of it not happening?

A
 $\frac{3}{5}$

B
 $\frac{1}{8}$

C
20%

D
80%

How to spot positive or negative correlation on a scatter graph



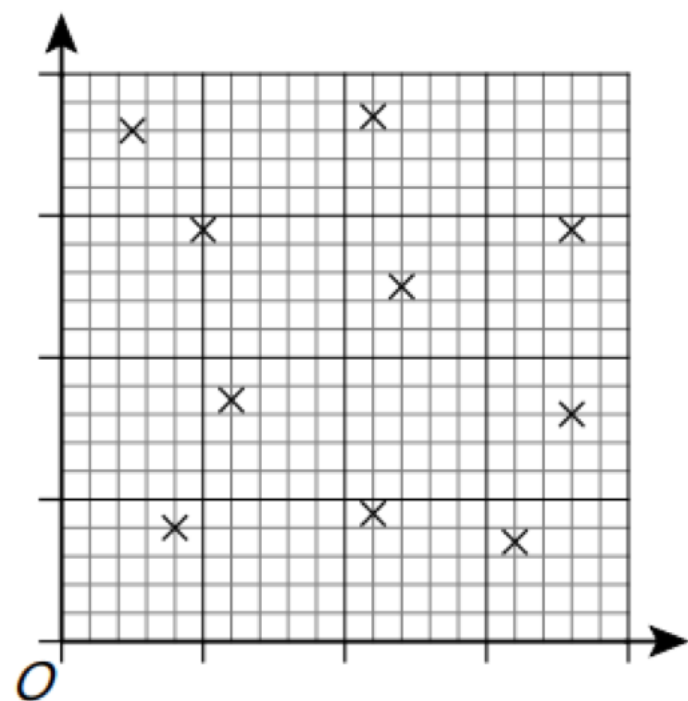
69. Which diagram shows negative correlation?

How to spot positive or negative correlation on a scatter graph



69. Which diagram shows negative correlation?

A

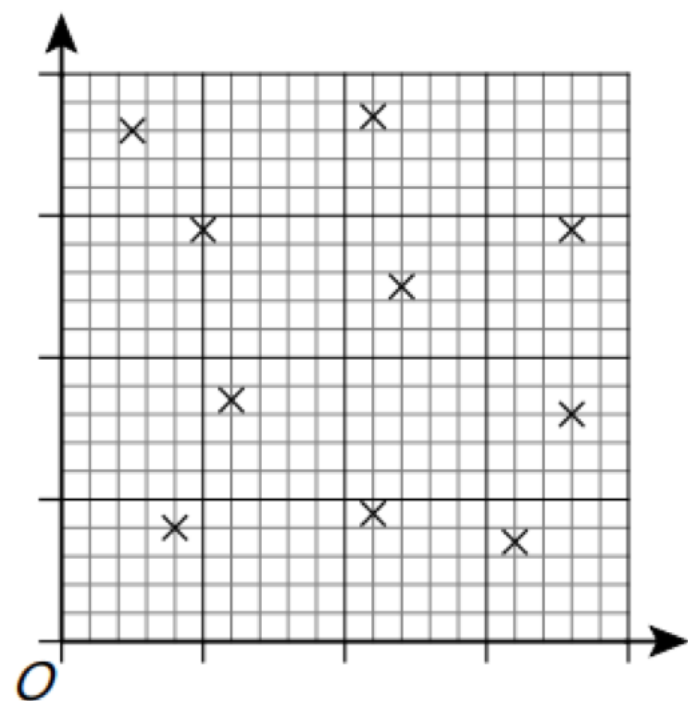


How to spot positive or negative correlation on a scatter graph

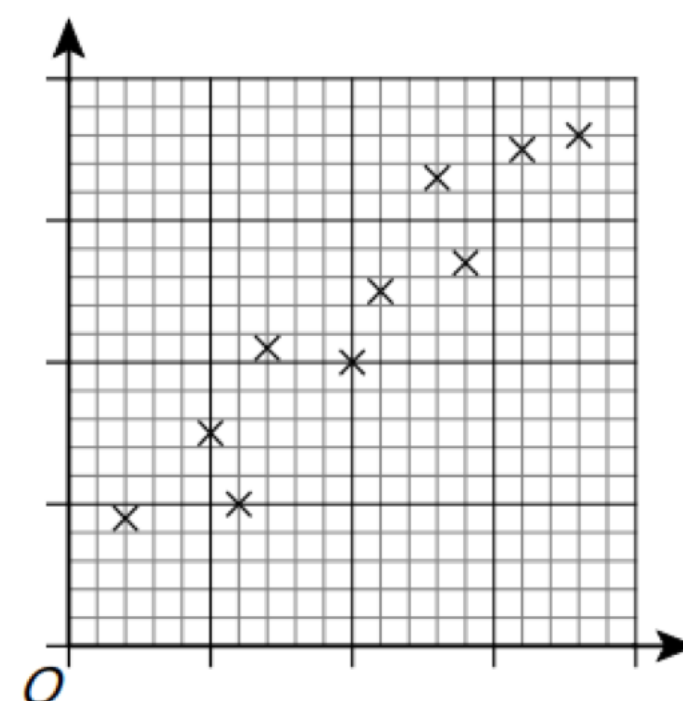


69. Which diagram shows negative correlation?

A



B

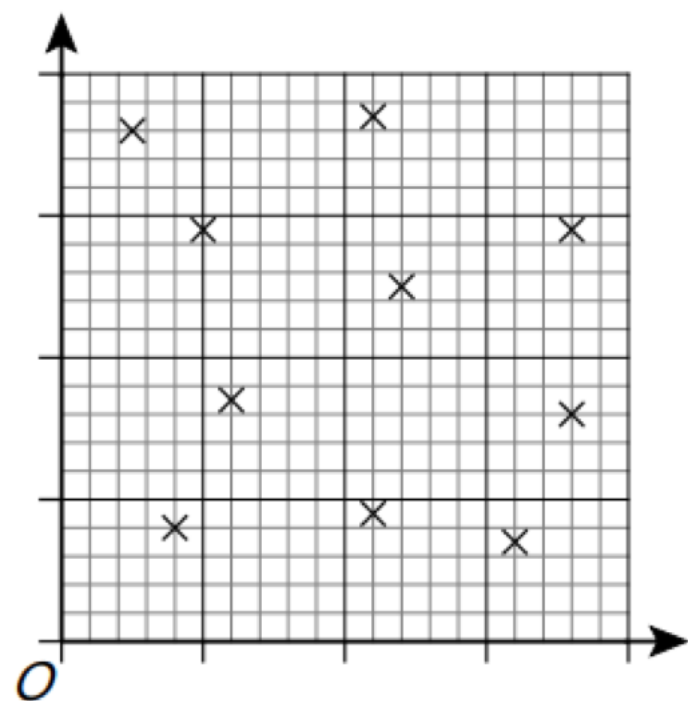


How to spot positive or negative correlation on a scatter graph

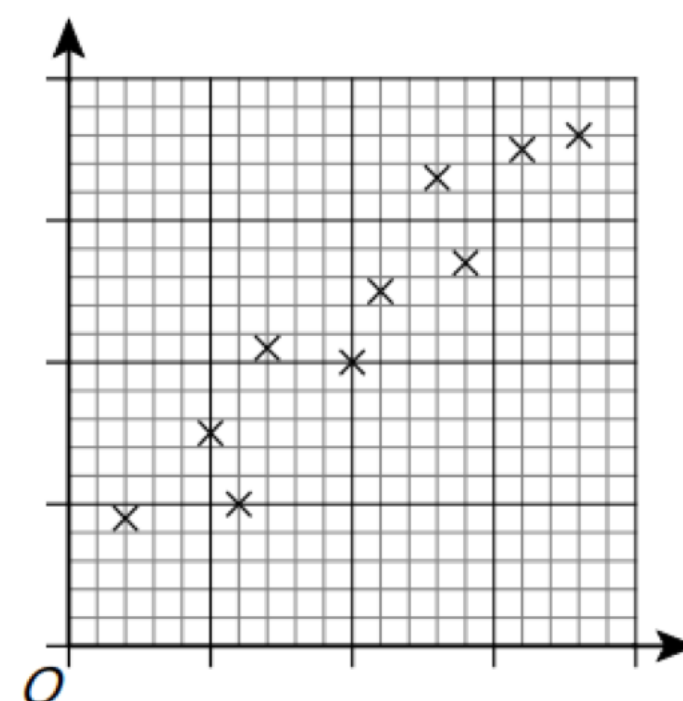


69. Which diagram shows negative correlation?

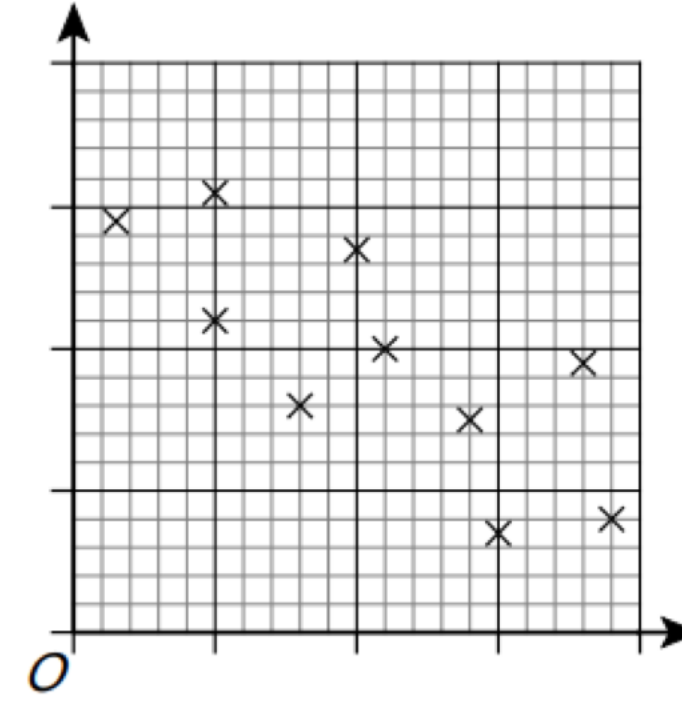
A



B



C

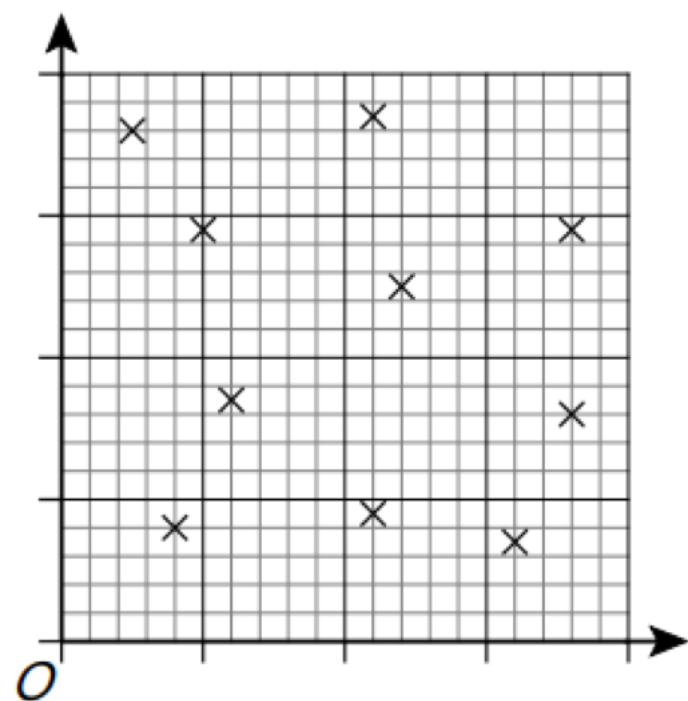


How to spot positive or negative correlation on a scatter graph

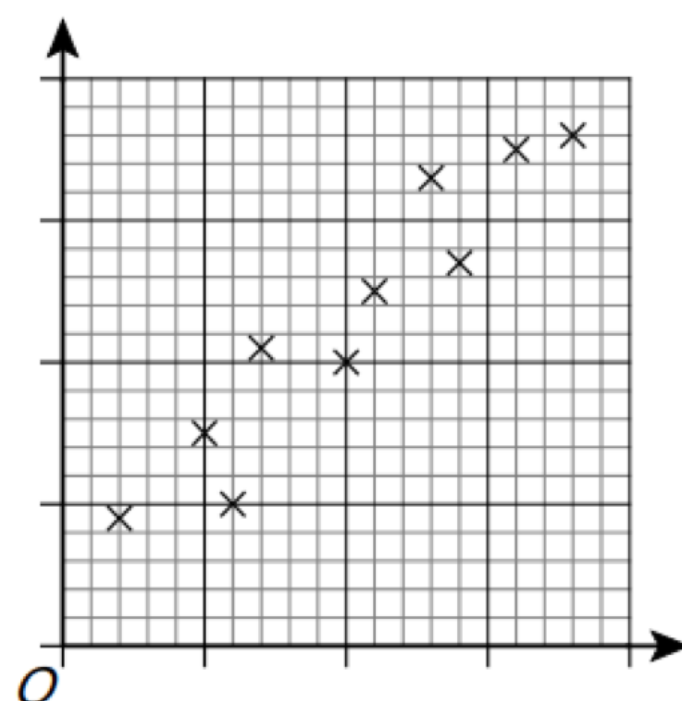


69. Which diagram shows negative correlation?

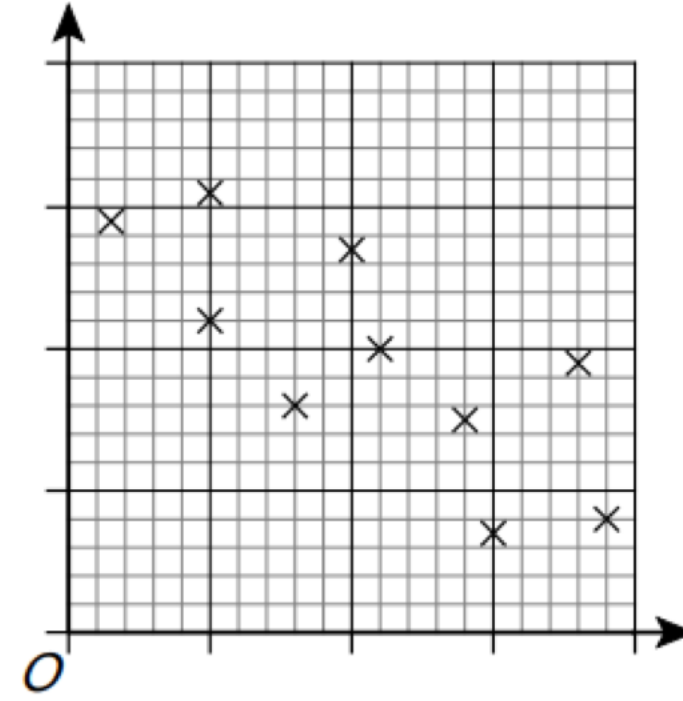
A



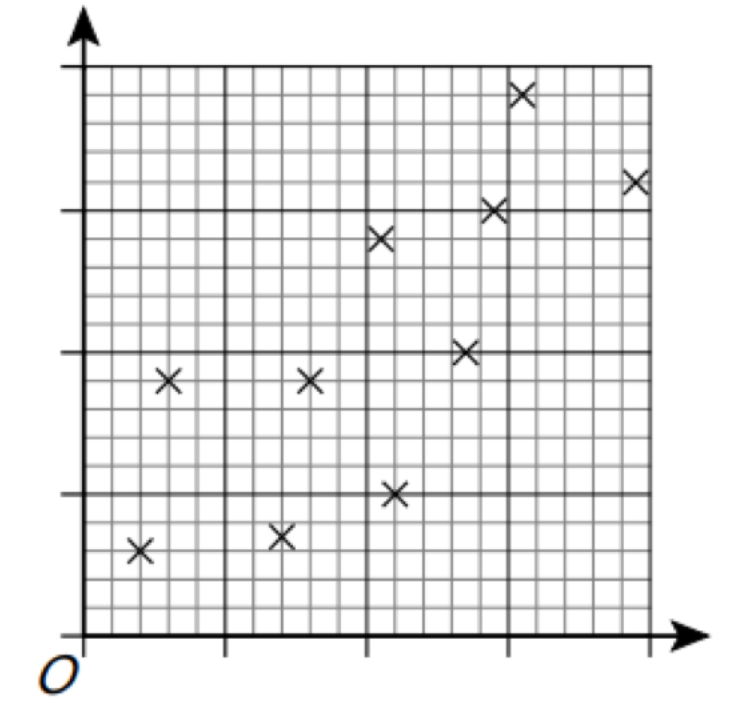
B



C



D

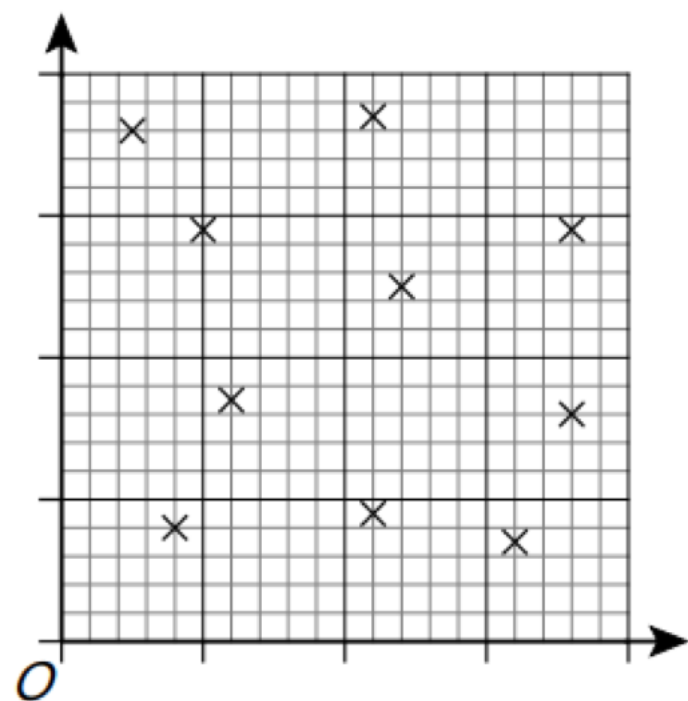


How to spot positive or negative correlation on a scatter graph

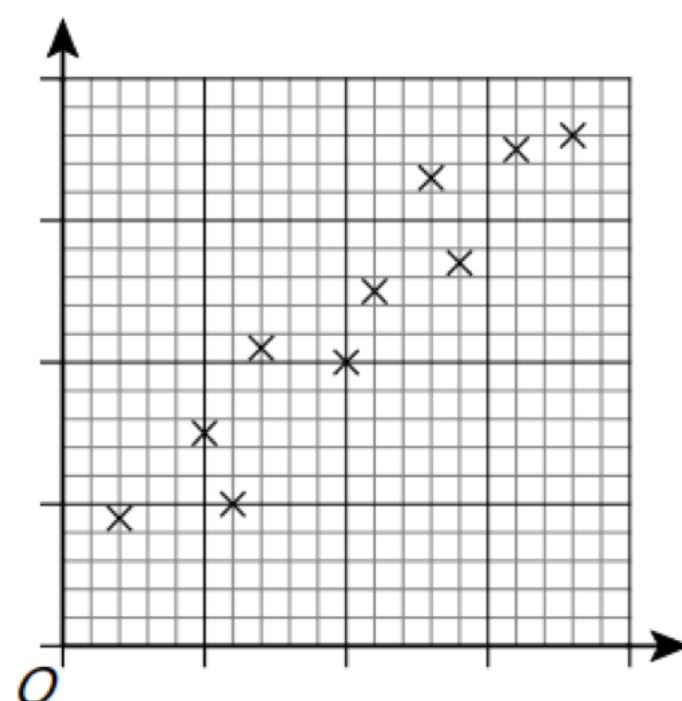


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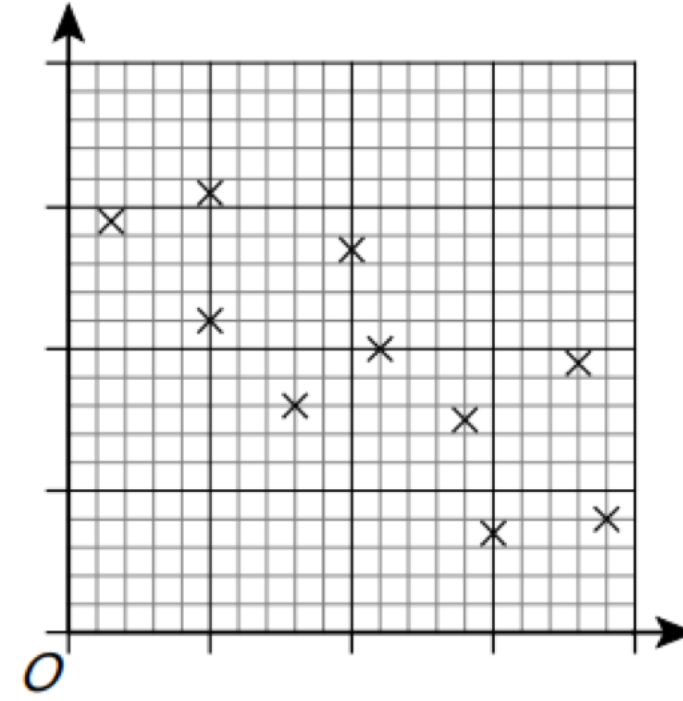
A



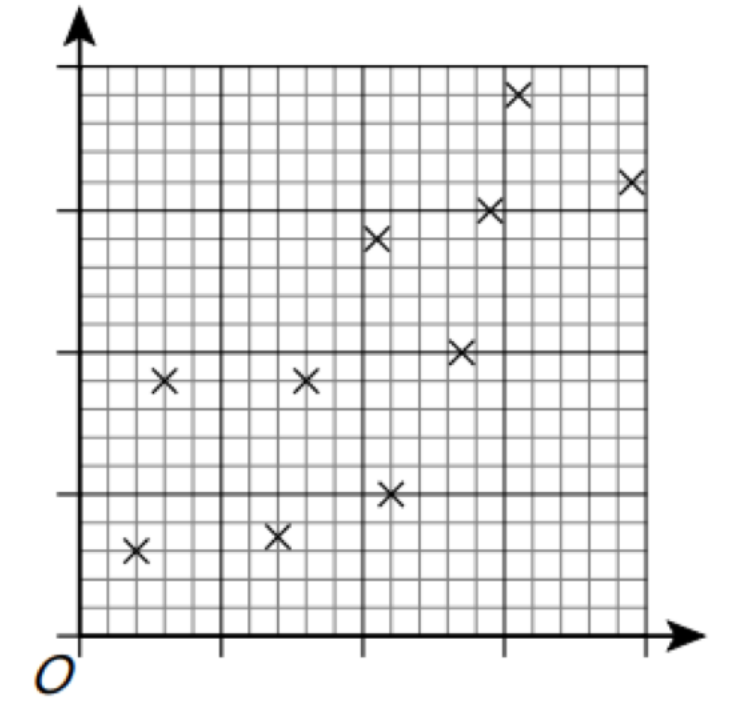
B



C



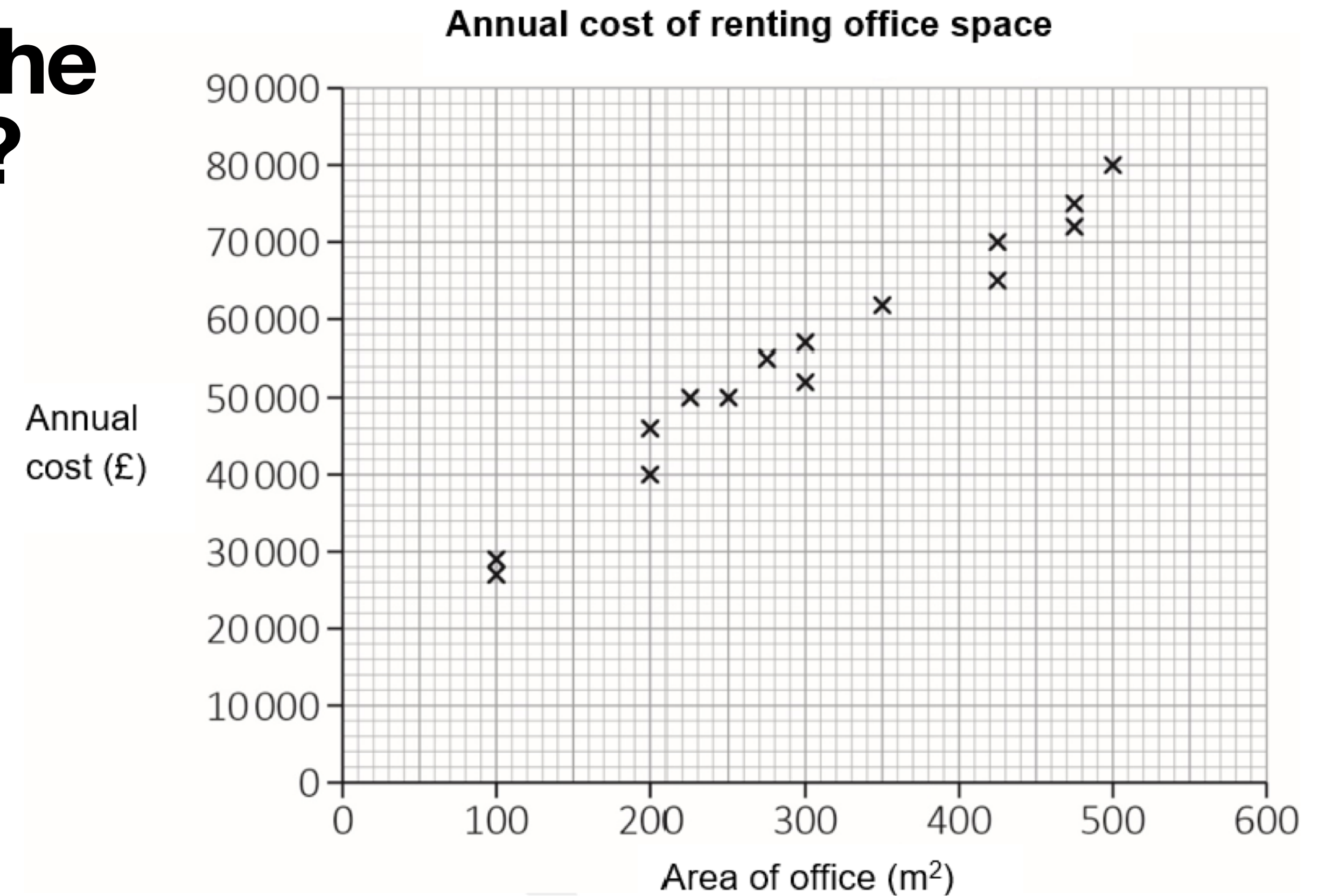
D



How to make estimates using a scatter graph



70. Use the graph to estimate the annual cost of an office 150m²?

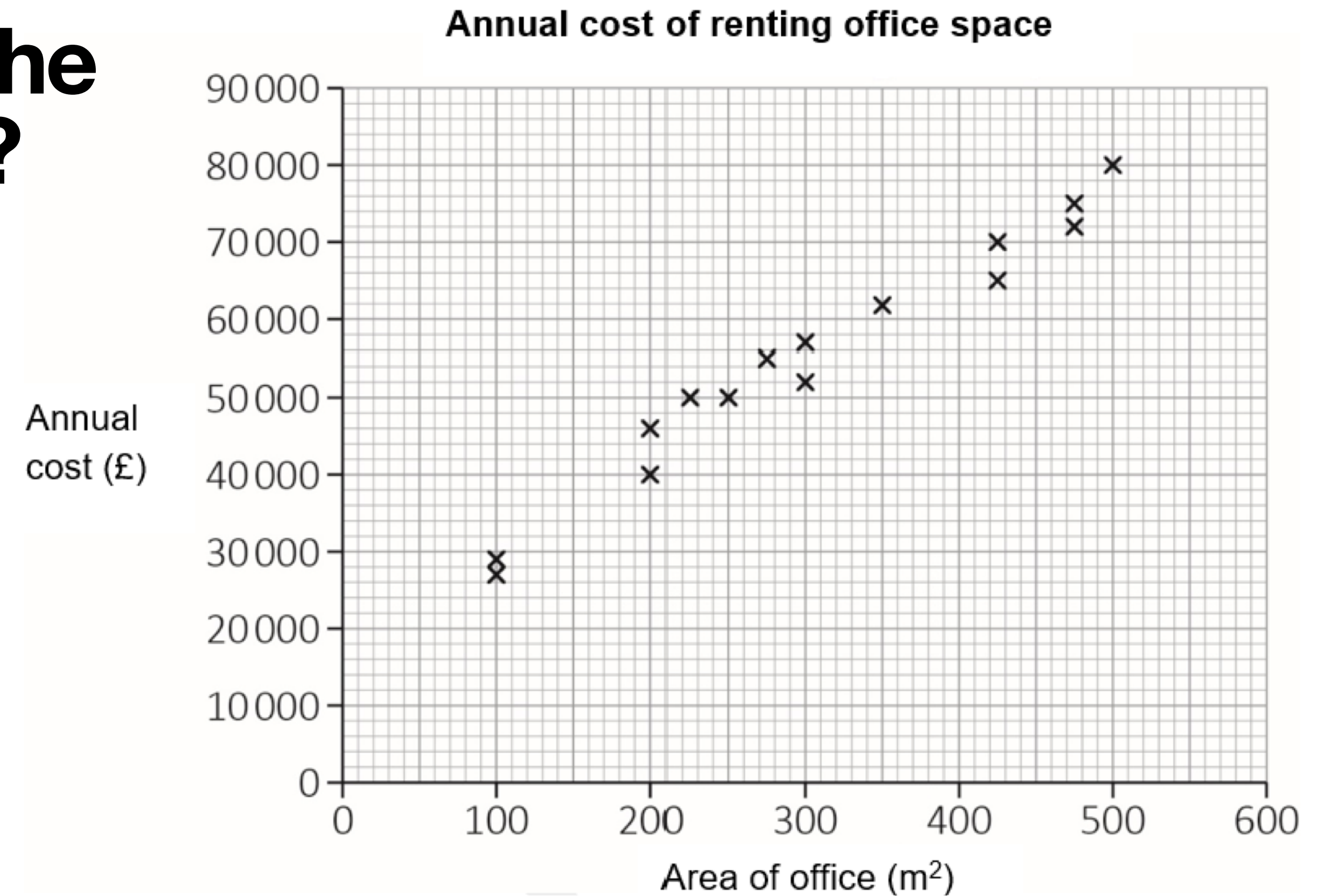


How to make estimates using a scatter graph



70. Use the graph to estimate the annual cost of an office 150m²?

A
£50,000



How to make estimates using a scatter graph



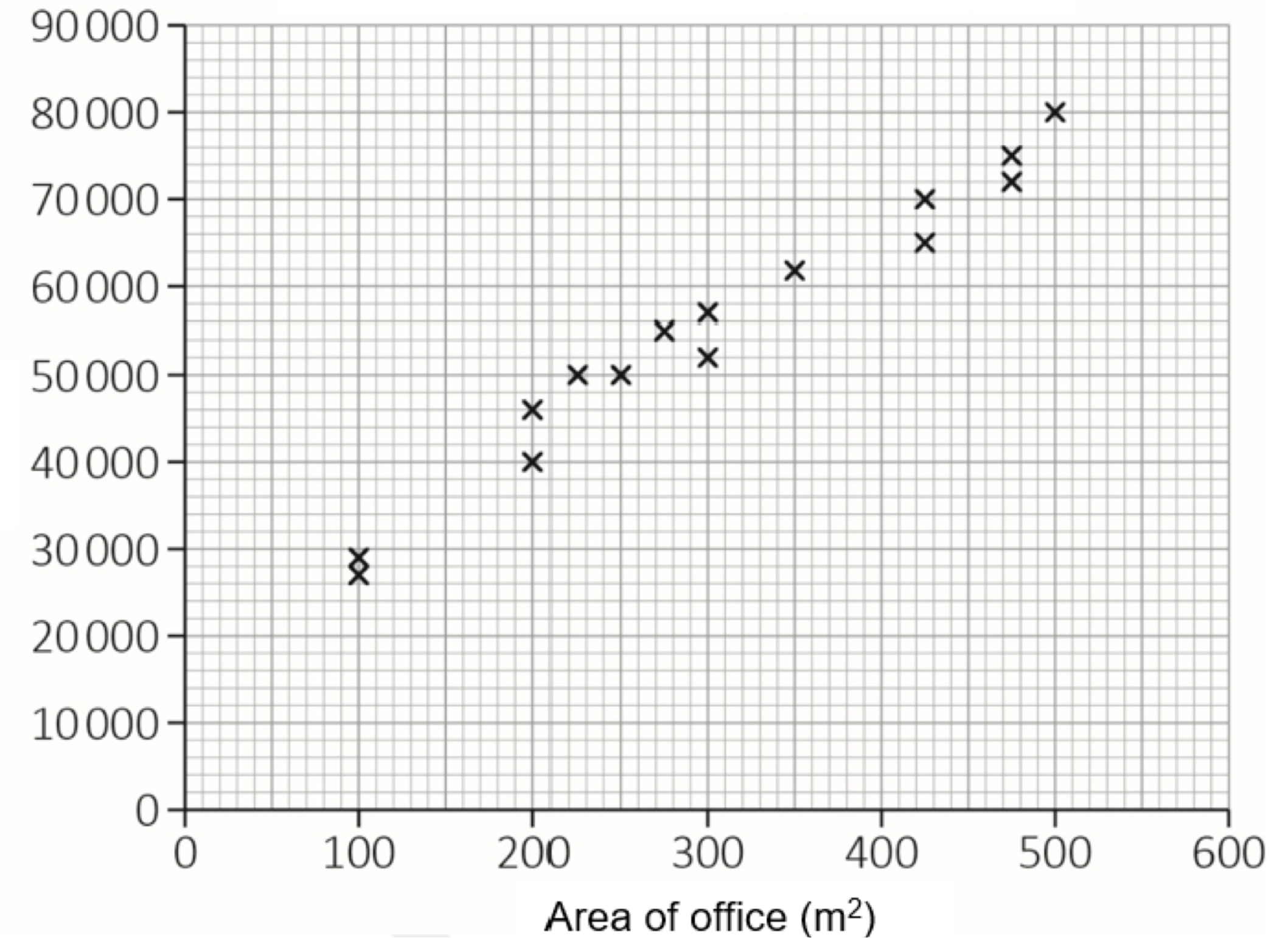
70. Use the graph to estimate the annual cost of an office 150m²?

A
£50,000

B
£30,000

Annual
cost (£)

Annual cost of renting office space



How to make estimates using a scatter graph



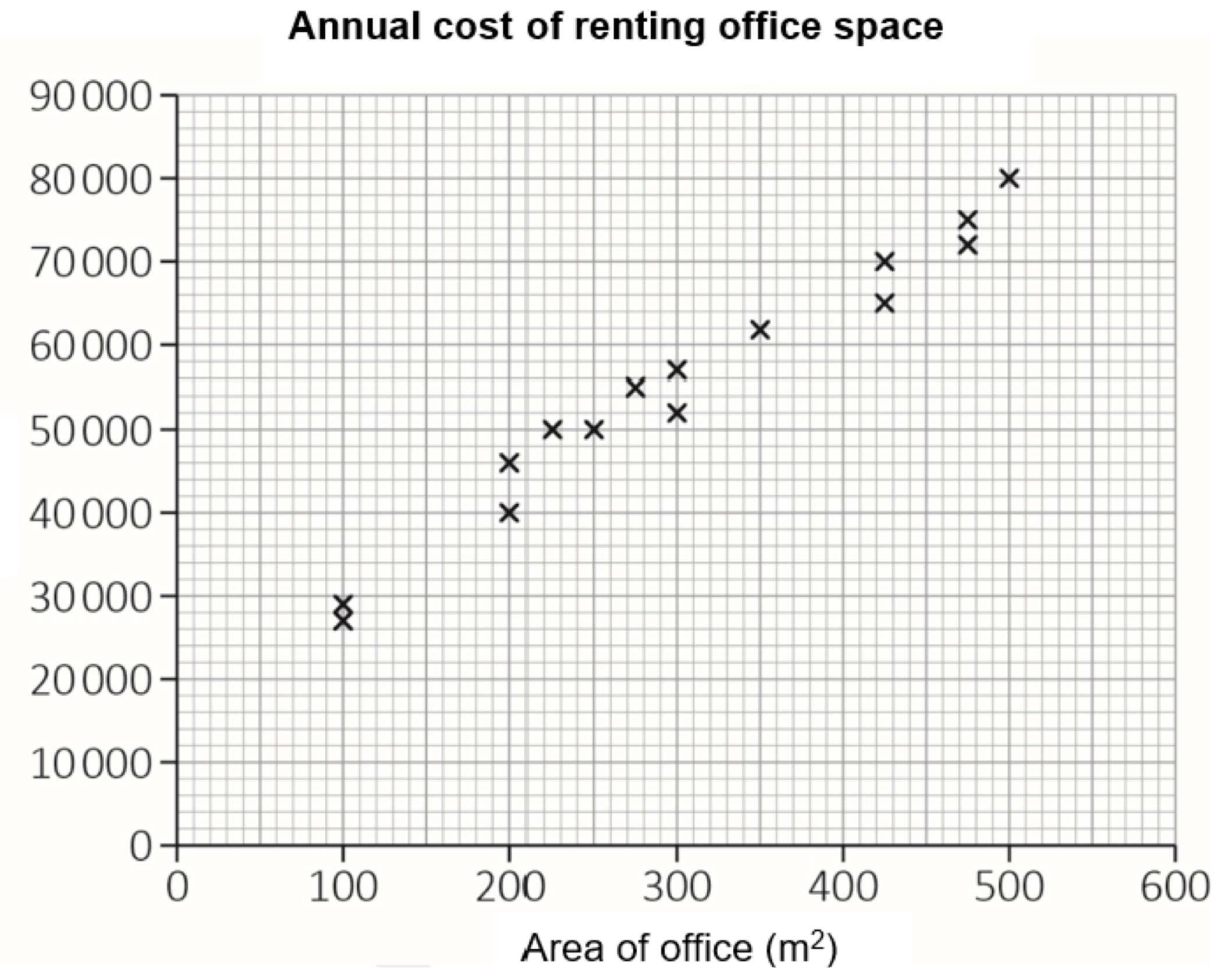
70. Use the graph to estimate the annual cost of an office 150m²?

A
£50,000

B
£30,000

C
£60,000

Annual
cost (£)



How to make estimates using a scatter graph



70. Use the graph to estimate the annual cost of an office 150m²?

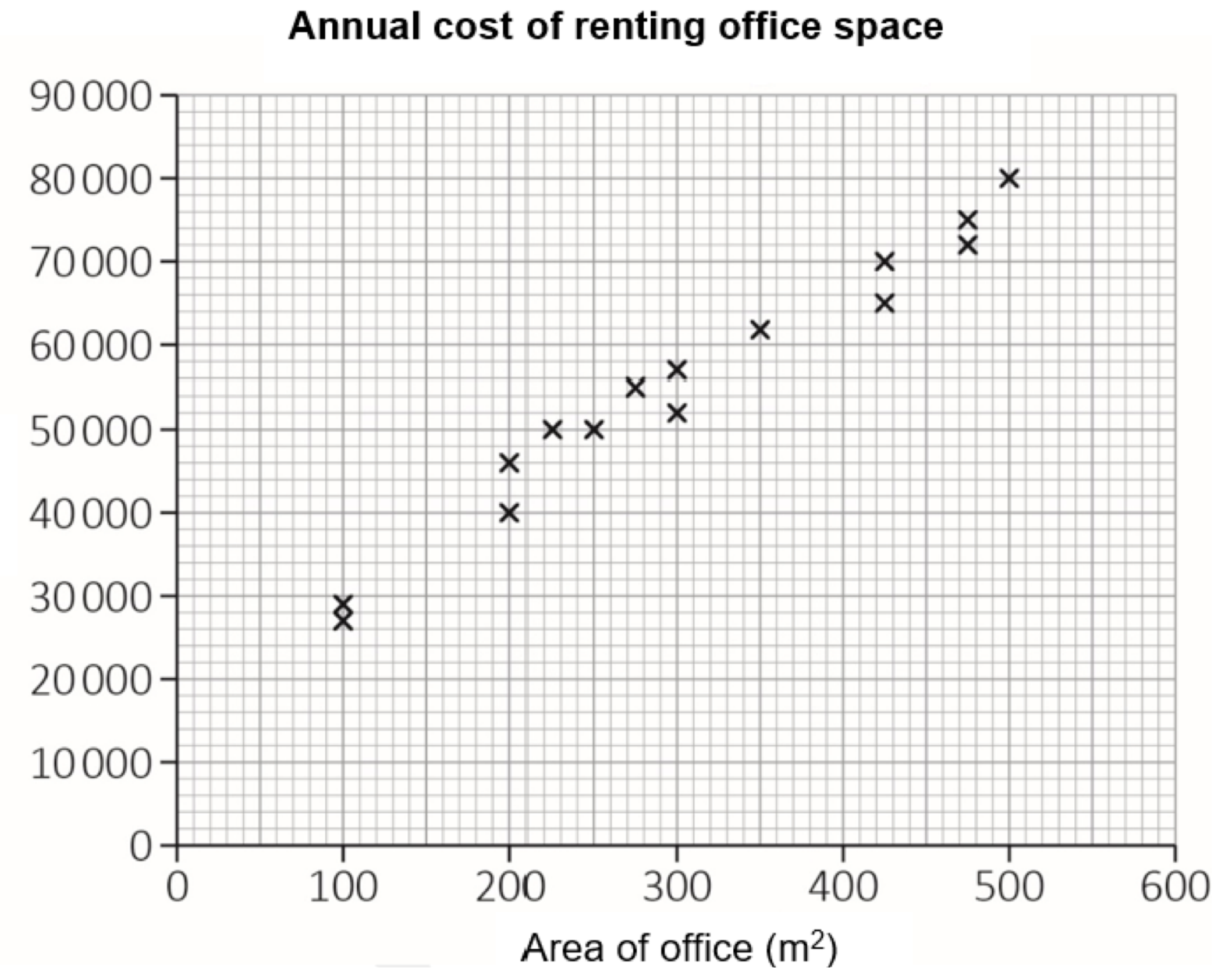
A
£50,000

B
£30,000

C
£60,000

D
£35,000

Annual
cost (£)



How to make estimates using a scatter graph



70. Use the graph to estimate the annual cost of an office 150m²?

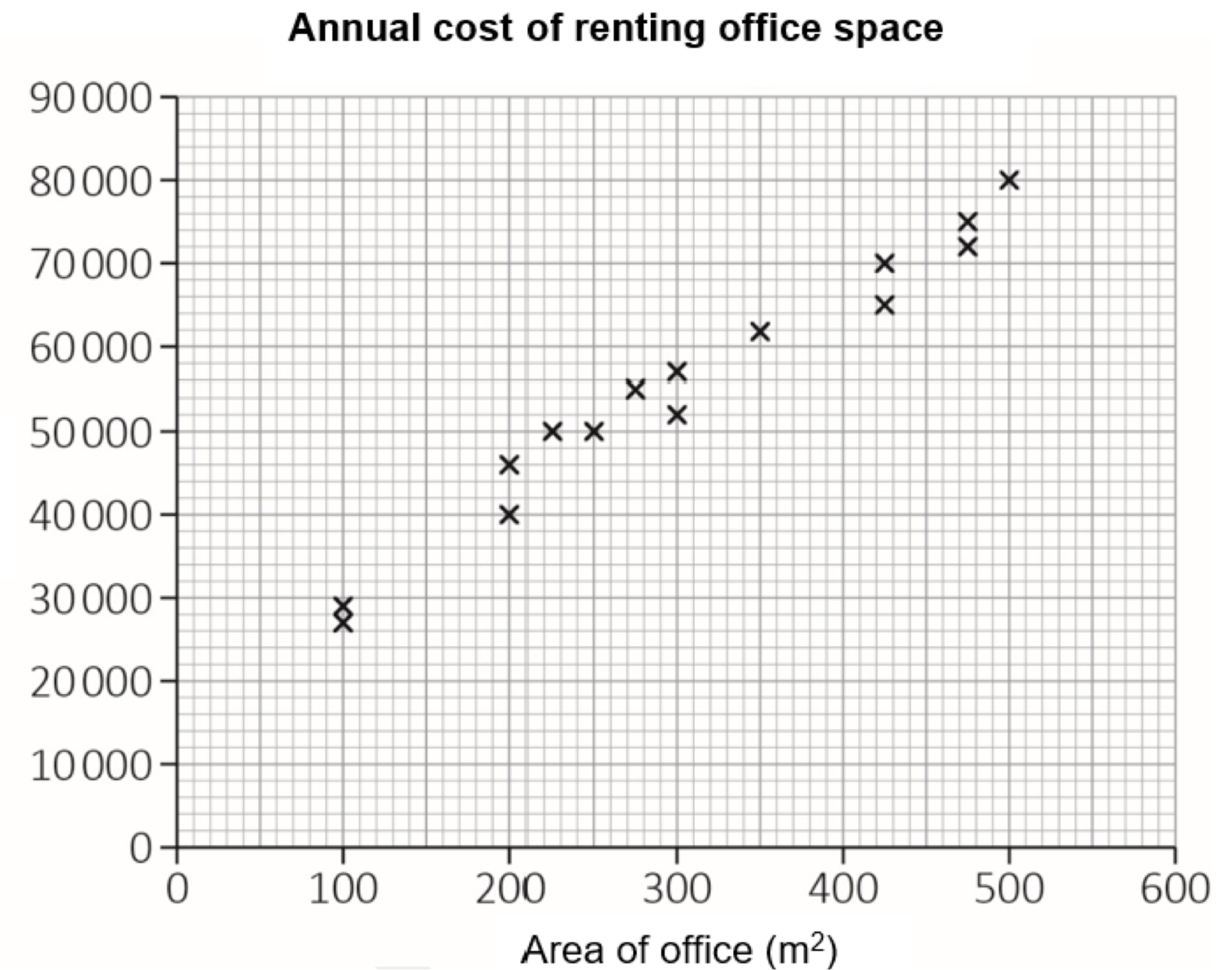
A
£50,000

B
£30,000

C
£60,000

D
£35,000

Annual
cost (£)





Functional Skills Level 2 Maths

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