Maths 11+
Practice Test

Read the instructions carefully.

- Do not begin the test or open the booklet until told to do so.

- Work as quickly and as carefully as you can.

- Each question will tell you whether to write an answer or ring the correct answer from the options given.

- You may do rough working on a separate sheet of paper.

- If you make a mistake cross out the mistake and write the new answer clearly.

- You will have 50 minutes to complete the test.

3

Practice Test

Maths 11+

1   If you need 6 apples to make a pie, how many pies can be made with 125 apples? _____   1

2   In the number 58 470, the digit 4 in this number has a value of 400. What is the value of the digit 8? _____   1

3   A plank is 4 m 6 cm long. It is cut in half. How long is each piece? _____   1

This triangle has angles a, b, c and d. Angle a is 46° and angle b is 68°.

4   What is the size of angle c? _____   1

5   What is the size of angle d? _____   1
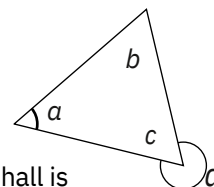
6   Jane is drawing a plan of her house. Her scale is 4 cm to 5 m. The hall is 10.5 m long. How long is the hall on her plan? _____ cm   1

7   Mike thought of a number. He halved it, then added 9. The answer was 45. What number did Mike think of? _____   1

Write the coordinates of:

8   The church (_____, _____)   1

9   The station (_____, _____)   1

10   The pet shop (_____, _____)   1

11   The garage (_____, _____)   1

Total   11

2

12 Circle the group of numbers below that are all multiples of either 3 or 5.
8, 10, 12   12, 14, 15   15, 18, 20   18, 20, 22   20, 24, 26

13 A holiday costs £360 for an adult. It is £150 less for a child. How much is it for three adults and two children to go? _____

14 Circle the number with the largest value.
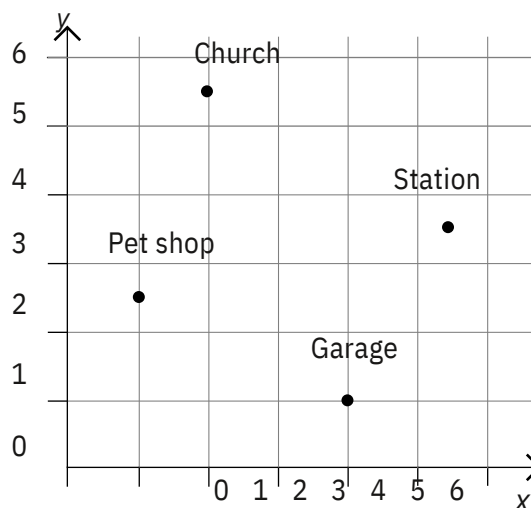6.03   5.05   6.10   5.99   6.09

15 In the equation $6a + 7 = 55 - 2a$, what is a? _____

16 Here are some scores in a test: 11, 18, 9, 1, 6, 15, 3. What is the mean?
_____

17 Which ratio is the equivalent to 27 : 36? Circle the correct answer.
6:7   9:18   8:9   3:4

18 There are 45 pupils in a class. 1/9 travel to school by train. 2/5 travel by car. 2/9 Travel by travel by bus. The rest walk to school. How many walk? _____
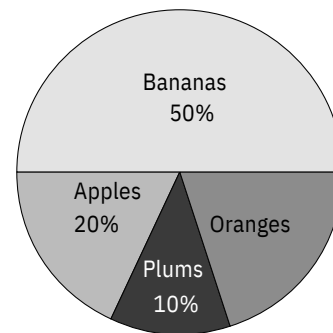
19 What percentage of this shape is shaded? _____
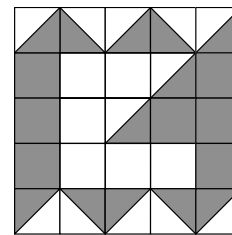
20 420 shoppers are asked about their favourite fruit. How many like oranges? _____

Bananas 50%
Apples 20%
Oranges
Plums 10%

Total

9

3

21   I spend 34p on the bus fare each weekday. How much do I spend a week?
_____

22   What is 2.467851 to two decimal places? _____

23   Circle the fraction with the largest value: $\frac{20}{24}$ $\frac{9}{12}$ $\frac{5}{6}$ $\frac{2}{3}$ $\frac{7}{8}$

24   Here are five scores in a cricket match: 11, 23, x, 44, 7. The mean score was 18.

     What is the value of x? _____

25   What does 65 equal? Circle the correct answer.

     5 x 5 x 5 x 5 x 5 x 5   6 x 6 x 6 x 6 x 6   6 x 5   65   56

26   a = 3/5 of b. Circle the equation below that is not correct.

     $5a = 3b$ $a/b = 3/5$ $3a = 5b$ $a = 3/5a$

The bar chart shows the number of cars that went past a traffic survey checkpoint every hour.

891011 Time of day (a.m)
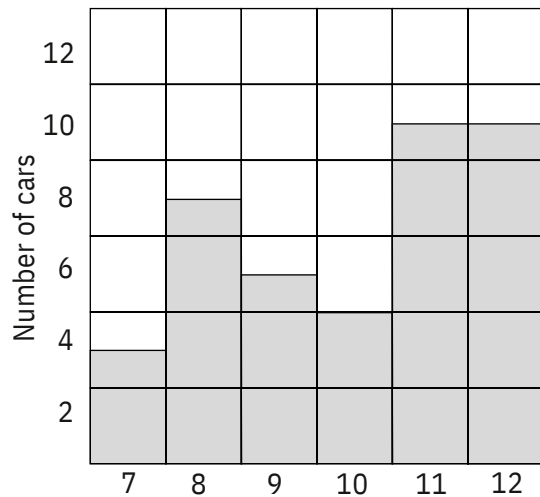
27   How many more went by at 11 a.m. than 7 a.m.? _____

28   How many fewer went by at 9 a.m. than 12 p.m.? _____

Total 8

A fruit bowl contains an apple, two pears and three oranges. You choose a fruit from the bowl without looking. Say whether each pair of statements are **both** true. Circle Yes or No.

29   You have a less than even chance of picking an apple.

You have a less than even chance of picking a pear.   Yes   No

30   You have an even chance of picking an orange.

You have a greater than even chance of picking an apple.   Yes   No

31   You have a greater than even chance of picking an orange.

You have a less than even chance of picking a pear.   Yes   No

32   You have a greater than even chance of picking a pear.

You have an even chance of picking an orange.   Yes   No

33   You are certain to pick a fruit.

You have a greater than even chance of picking an orange.   Yes   No

34   The area of a rectangle is 48 cm2. What could be the perimeter of the rectangle? Circle the correct answer.

12 cm   14 cm   18 cm   28 cm   30 cm

35   Jamal will be a years old in four years' time. How old was he eight years ago in terms of a? _____

36   There are 360 cars in the car park. 1/12 are red. 2/3 are green. The rest are silver. How many silver cars are there? _____

37   There are 300 paper clips in a box. How many paper clips in 7.5 boxes?

_____

38   Circle the number below that has the closest value to 2.

$1\frac{19}{25}$ 172.8%   1.73   172.9% $1\frac{19}{26}$
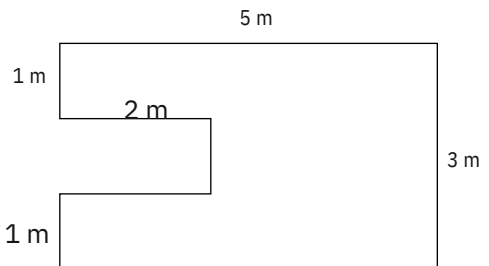
Total

10

5

39   80 cm of a 4.4 m stretch of road need repairing. What fraction is this? Circle the correct answer.

1/9   1/10   3/12   4/26   2/11

40   I am half as old as my sister. In six years' time she will be 22. How old am I?
_____
Look at this room plan.

41   What is the perimeter of the room? _____

42   What is the area of the room? _____

43   Carpet costs £8 a square metre. How much will it
cost to carpet the room? _____

I go to the supermarket and spend £3.50 on meat, 90p on bread, £2.50 on fruit,
£3.75 on cheese, £2.15 on fruit juice and £1.45 on eggs.

44   How much have I spent? _____

45   How much change will I get from £20? _____

46   Steaks cost £4.99 each. A chef buys 125 for his restaurant. What is the total cost?

£499   £625   £623.75   £623.25   £626.25

When every space on the grid is filled in, each row and column adds up to 44.

47   What is the value of **A**? _____

48   What is the value of **B**? _____

17		A	44
12		15	44
	9	B	44

44   44   44

49   How should quarter to five in the morning be written? Circle the correct answer.

16.45   14.45   18.45   13.45   04.45

50   A door is 5 feet 9 inches high. Which is closest to its height in metres? Circle the correct answer.

1.5 m   1.6 m   1.7 m   1.8 m   1.9 m

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Total 12

Paper Total 50