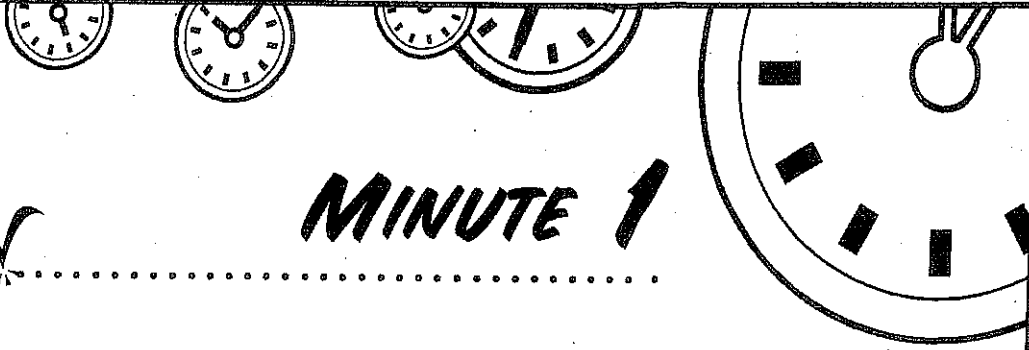


NAME: _____




MINUTE 1

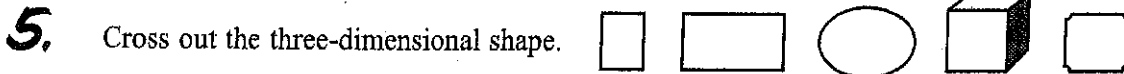


1. Simplify: $12(2 + 7 + 1) =$

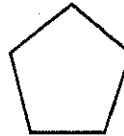
2. $\frac{3}{10} \cdot \frac{7}{10} =$

3. Circle all of the following equal to $\frac{2}{5}$: 0.4 $\frac{4}{100}$ 40% 

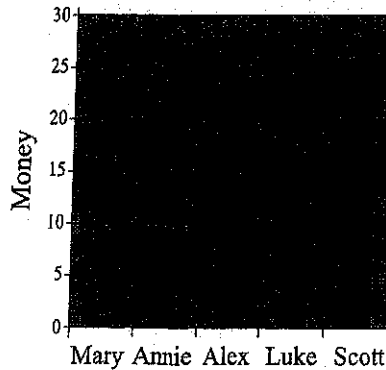
4. $10 \cdot \square = 5$



6. Each side of the regular pentagon is 5 centimeters. What is the perimeter? _____



7. In the graph, Alex has _____ times as much money as Annie.



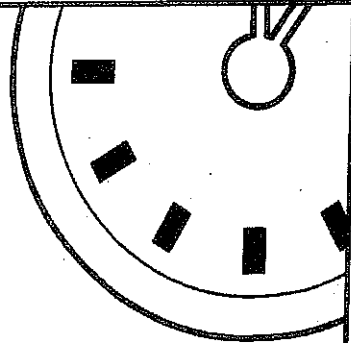
8. If $a = 5$ and $b = 4$, then $2a + b =$ _____.

9. If $3x = 27$, then $x =$ _____.

10. Which of the following shapes comes next in the pattern?



NAME: _____



MINUTE 2

1. $\frac{12}{2} \cdot \frac{1}{3} =$

2. Use the correct symbol ($=$, $>$, or $<$) to complete: $\frac{3}{10} + \frac{7}{10}$ $\frac{3}{10} \cdot \frac{7}{10}$

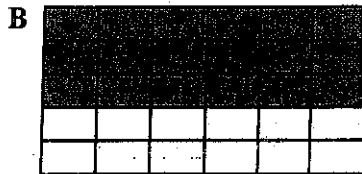
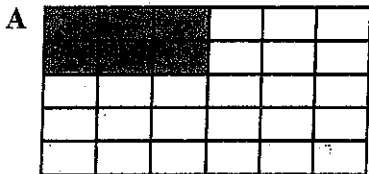
3. Which of the following does not belong? Circle your answer.

Two-tenths 0.2 20%



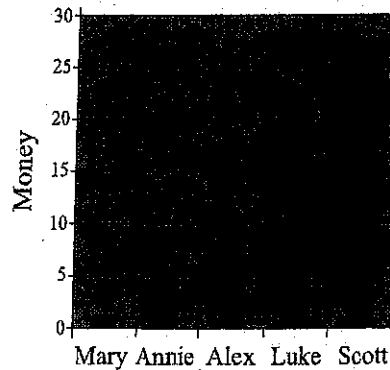
4. The distance between two cities would most likely be measured in:
a. feet b. inches c. yards d. miles

5. The shaded area in figure B is _____ times greater than the shaded area in figure A.



6. The perimeter around the shaded area in figure A in Problem 5 is _____ units.

7. In the graph, _____ has five times as much money as _____.



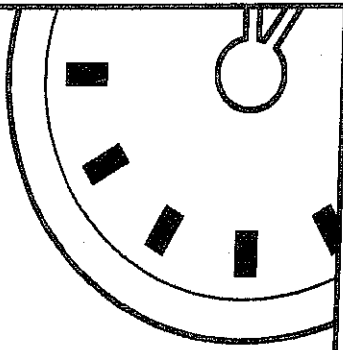
For Problems 8–10, evaluate if $a = 4$, $b = 6$, and $c = 2$.

8. $ab =$

9. $\frac{a+b}{c} =$

10. $b^2 =$

NAME: _____



MINUTE 3

1. $2 \left[\frac{30}{5} \right] =$

2. $\left(\frac{1}{4} \right) \left(\frac{1}{3} \right) =$

3. Which of these represents the greatest amount?

Circle: 62%

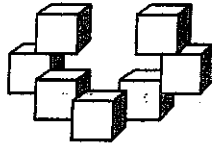
$\frac{1}{2}$

0.58



4. Use \cdot , $+$, $-$, or \div to complete the following equation. $2 \square 4 \square 1 = 9$

5. How many cubes are in this set? _____



6. The distance around the world at the equator is about 42,000 _____.

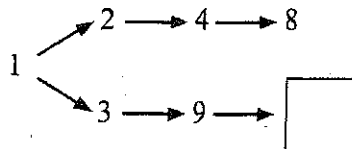
a. meters

b. kilometers

c. centimeters

d. millimeters

7. What number will complete the box? _____



For Problems 8-10, use $>$, $<$, or $=$.

8. $50\% \underline{\hspace{1cm}} \frac{1}{2}$

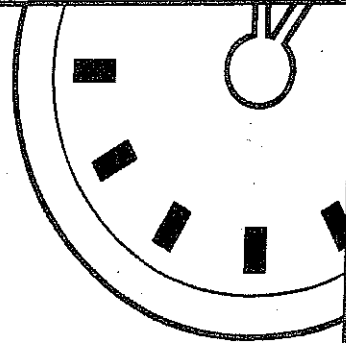
9. $3^2 \underline{\hspace{1cm}} 2^3$

10. $0.\bar{5} \underline{\hspace{1cm}} 0.5$

NAME: _____



MINUTE 4



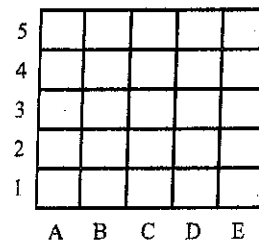
1. $0.7 \times 8 =$

2. $576 \div 10 =$

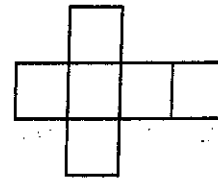
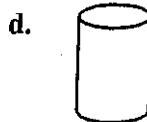
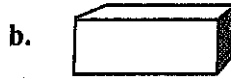
3. If $\frac{2}{5} + \frac{x}{5} = \frac{7}{5}$, then $x =$ _____.

4. If $\left[\frac{3}{8}\right] \cdot \left[\frac{a}{2}\right] = \frac{15}{16}$, then $a =$ _____.

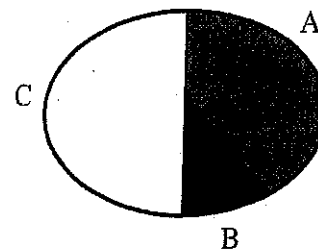
5. In the graph, shade column A and put an X in E4.



6. What shape would the net to the right create if you folded it?



7. About what percent of the graph does region A represent?
 a. 50% b. 90% c. 10% d. 33%



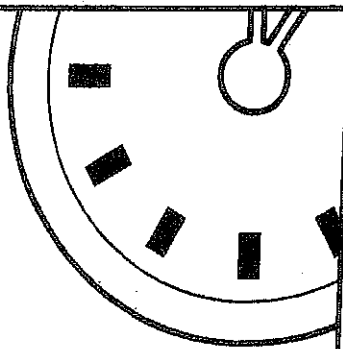
For Problems 8–10, estimate to find the best answer.

8. 19 out of 80:
 a. 10% b. 40% c. 25% d. 75%

9. 9% of 55:
 a. 50 b. 30 c. 20 d. 5

10. 194% of 40:
 a. 225 b. 75 c. 40 d. 30

NAME: _____



MINUTE 5

1. $0.5 \times 0.9 =$

2. $3 + 2 \cdot 4 + 5 =$

3. Which of these represents the least amount?

Circle: 0.35 $\frac{12}{50}$ 25%



4. Fill in the remaining prime numbers that are less than 20.

2		7	13		
---	--	---	----	--	--

5. Shade row 3 and column C.

4					
3					
2					
1					
	A	B	C	D	E

6. At what point does the row and column shaded in Problem 5 intersect? _____

7. In 1933, Wiley Post flew around the world in 7 days, 18 hours. Wiley's trip would best be described as flying around the _____ of the earth.

- a. perimeter b. area c. volume d. diameter

8. Find the number that completes the following problem.

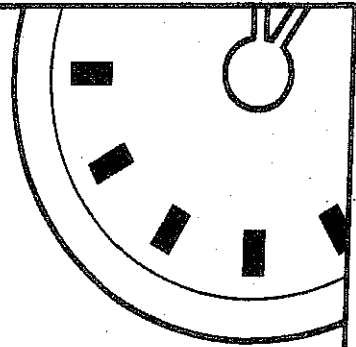
$$\begin{array}{r} 2 \square \\ \times 8 \\ \hline 192 \end{array}$$

9. Find the number that completes the following problem.

$$(3 + 5) + 2 = 2(\square + 2)$$

10. If $3 \times 3 \times 3 \times 3 = 3^x$, then $x =$ _____

NAME: _____



MINUTE 6

1. $0.3 + 0.5 + 0.8 =$

2. $(2 + 0.4 + 0.6)^2 =$

3. Fill in the remaining positive factors of 18.

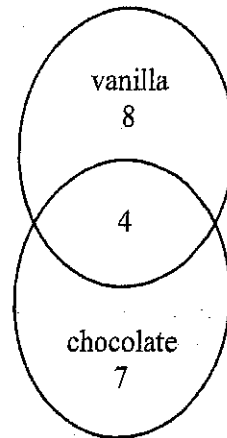
1		3	6		18
---	--	---	---	--	----

For Problems 4–6, use the Venn diagram to the right.

4. _____ people liked vanilla only.

5. _____ people liked chocolate only.

6. _____ people liked both.



For Problems 7–10, circle *True* or *False*.

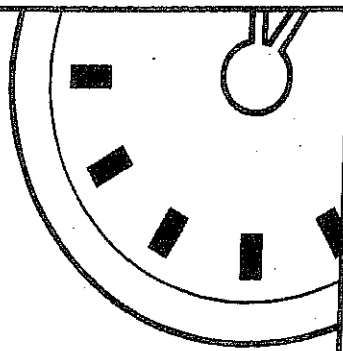
7. $\frac{8}{8} > \frac{12}{12}$ True or False

8. $\frac{12}{50} = \frac{6}{25}$ True or False

9. $2.2 > 2.0\bar{9}$ True or False

10. $8.15 = 8 + \frac{1}{10} + \frac{5}{100}$ True or False

NAME: _____



MINUTE 7

1. $(0.6)^2 =$ _____

2. If $\left[\frac{2}{5}\right]^2 = \left[\frac{x}{25}\right]$, then $x =$ _____.

3. Circle the greatest number. Cross out the least number.

$$\frac{78}{100}$$

$$\frac{3}{4}$$



50%

4. Circle the numbers that are multiples of 7.

21

14

1

17

35

5. Circle the figure that is congruent to



6. What is the perimeter of this figure? _____

10 cm



8 cm

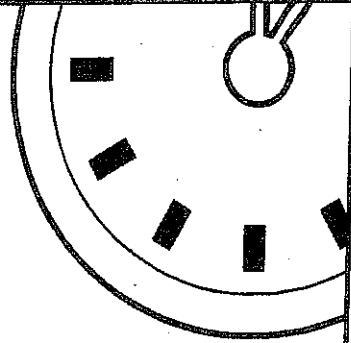
7. Is the area of the figure in Problem 6 greater than or less than 80 cm^2 ? _____

8. Find the number that completes the following problem. $42 \square \times 6 = 2,538$

9. If $y = x + 5$ and $x = 3$, then $y =$ _____.

10. If $y = x + 5$ and $y = 11$, then $x =$ _____.

NAME: _____



MINUTE 8

1. Circle all of the following that are between 10 and 40.

3^2 4^2 5^2 6^2 7^2

2. What is the value of the underlined digit in the number 328.06?

a. $\frac{6}{10}$

b. $\frac{6}{100}$

c. $\frac{6}{1,000}$

d. $\frac{6}{10,000}$

3. $\left[\frac{1}{2}\right]\left[\frac{2}{3}\right]\left[\frac{3}{4}\right] =$

4. Circle the fractions that reduce to $\frac{1}{4}$: $\frac{2}{8}$ $\frac{4}{12}$ $\frac{3}{12}$ $\frac{12}{38}$

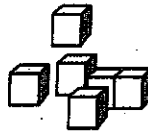
5. In about how many seconds could a 9-year-old boy run 100 meters?

a. 5 sec.

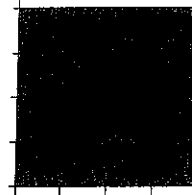
b. 10 sec.

c. 20 sec.

6. How many cubes are shown? _____



MARK'S COMPANY



7. Based on this graph, is Mark's company doing well? _____

8. Look for the pattern between rows A and B and complete the grid.

A	2	5	7	12
B	5	8	10	

For Problems 9–10, evaluate if $a = 5$, $b = 3$, and $c = 2$.

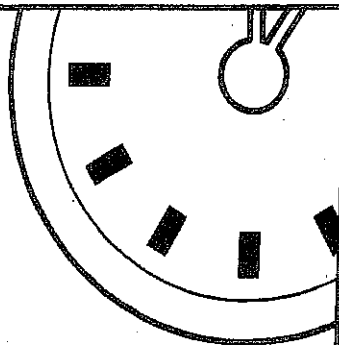
9. $2ab =$

10. $\left[\frac{6}{b}\right]^c =$

NAME: _____



MINUTE 9



1. Use the numbers 3, 4, and 5 to complete the math sentence.

$$\square + \square \cdot \square = 19$$

2. Find the next number in the following sequence: $\frac{1}{12}, \frac{3}{12}, \frac{5}{12}, \underline{\hspace{2cm}}$

3. What is 10% of 300? _____

4. How many minutes are in 3 hours and 10 minutes? _____

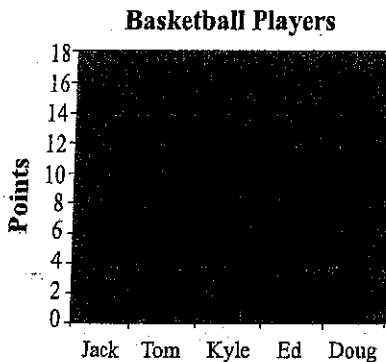
For Problems 5–7, use the graph to the right.

5. Which two players scored the same number of points? _____

6. Ed scored twice as many points as Tom.
Circle: True or False

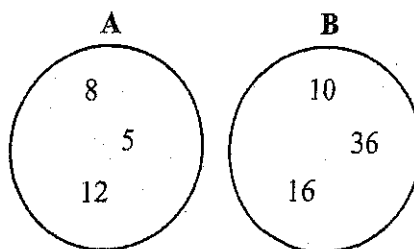
7. How many total points were scored by the players? _____

8. Annie puts \$10 into a vacation jar each week. How much will she have saved by the end of the year? _____



For Problems 9–10, use the diagram to the right.

9. Draw arrows to connect the multiples between circles A and B.

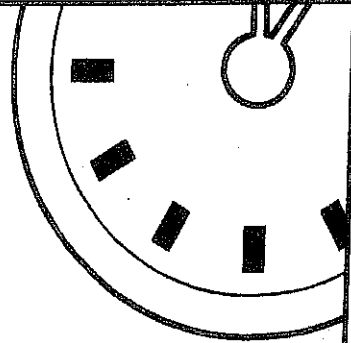


10. Circle the numbers in the diagrams that are evenly divisible by 4.

NAME: _____



MINUTE 10



For Problems 1-3, circle *True* or *False*.

1. $2 \times 6 \times 3 \times 0 \times 4 > 12 \times 1 \times 1$ True or False

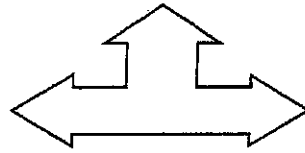
2. $\sqrt{16} = 4$ True or False

3. $2^3 = 6$ True or False

4. Circle each of the following that are whole numbers: $\frac{12}{2}$ $\frac{2}{12}$ $\frac{8}{8}$ 2^2 $\left[\frac{1}{2}\right]^2$

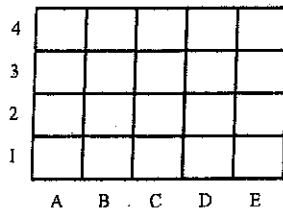
5. What is $\frac{1}{2}$ of $\frac{3}{4}$? _____

6. Draw the line of symmetry on the figure to the right.



7. Maps often show north as pointing toward the top of the page.
If you went from A2 to E3, in which direction would you be going?

- a. NE
- b. NW
- c. SE
- d. SW

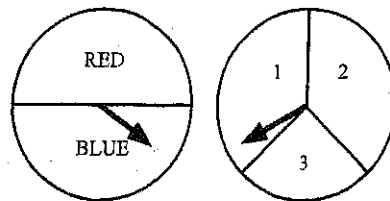


For Problems 8-10, use the spinners to the right.

8. How many possible results could occur if both spinners are spun? _____

9. What are the chances of spinning red and 3? _____

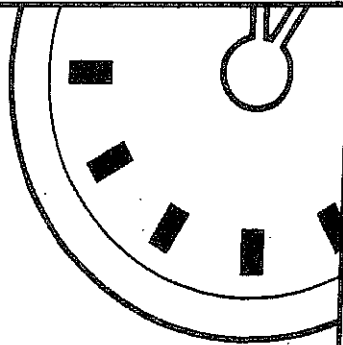
10. What are the chances of spinning blue and an odd number? _____



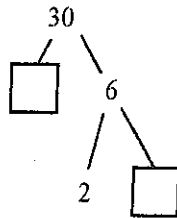
NAME: _____



MINUTE 11



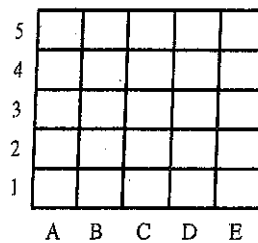
1. Complete the following factor tree.



2. $3(4 + 6) - 10 =$

For Problems 3–4, use the table to the right.

3. Which square does not touch one of the perimeter squares? _____



4. What is the combined area of rows 4 and 5? _____

For Problems 5–8, round to the underlined digit. (Note: “ \approx ” means “approximately”)

5. $27.\underline{3}8 \approx$ _____

6. $\underline{2}.99 \approx$ _____

7. $3.\underline{1}67 \approx$ _____

8. $1,\underline{0}01.45 \approx$ _____

For Problems 9–10, use $a = 10$ and $b = 2$.

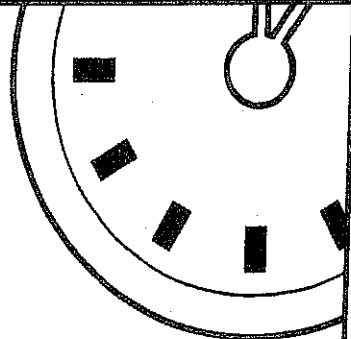
9. The product of a and b is _____.

10. Three more than twice b is _____.

NAME: _____



MINUTE 12



1. $\frac{5}{4} - \frac{1}{2} =$

2. If $\frac{3}{8} \div \frac{2}{3} = \frac{3}{8} \cdot \frac{3}{x}$, then $x =$ _____.

3. $(-4)^2 = (-4)(-4)$ Circle: True or False

4. $12 \cdot \square = 4$

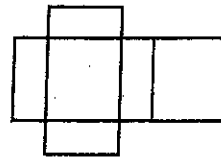
5. Which of the following could be the area of a room?
a. 18 m^3 b. 50 ft. c. 29 m^2

6. Which answer choice in Problem 5 could be the perimeter of a room? _____

7. Draw two lines in the following trapezoid to create three equilateral triangles.



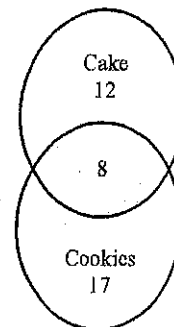
8. What shape would the net to the right create if you folded it?



For Problems 9–10, use the Venn diagram to the right.

9. How many kids like cookies only? _____

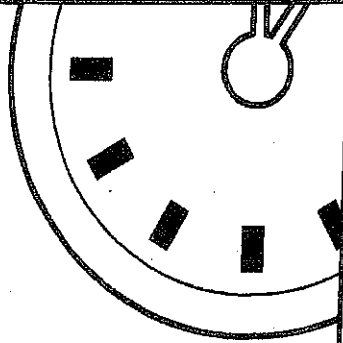
10. How many kids like both cookies and cake? _____



NAME: _____



MINUTE 13



1. $(9 - 3 \cdot 2)^2 =$

2. $205 \times 0.01 =$

3. Rewrite using bar notation: $0.912912... =$ _____

4. Which of the following is the remainder of 14 divided by 3?
a. 4 b. 1 c. 5 d. 2

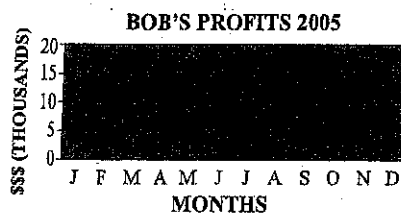
5. Fill in the remaining prime numbers between 20 and 50.

23	29			41		47
----	----	--	--	----	--	----

For Problems 6–7, use the graph to the right.

6. Would it be a good idea to invest in Bob's company?
Circle: Yes or No

7. In the graph, what does the "F" stand for?



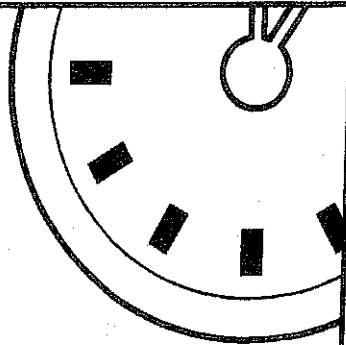
For Problems 8–10, estimate to find the best answer.

8. 24 out of 99:
a. 10% b. 75% c. 25% d. 50%

9. 12% of 400:
a. 15 b. 40 c. 60 d. 80

10. Possible weight of a 7th grader:
a. 50 kilograms b. 50 grams c. 50 milligrams

NAME: _____



MINUTE 14

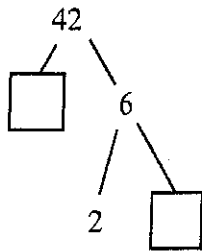
1. If $24 = 3 \cdot 2^x$, then $x =$ _____.

2. If $\frac{3}{5} = \frac{x}{15}$, then $x =$ _____.

3. Find the remaining multiples of 7 that are less than 50.

7		21	28			49
---	--	----	----	--	--	----

4. Complete the factor tree.



5. Use the digits 5, 7, and 2 to write four numbers that are greater than 400.

For Problems 6–10, match each math expression with its equivalent expression.

6. $a \div 2$

a. $a \cdot a$

7. $a \cdot 2$

b. $3a$

8. a^2

c. 0

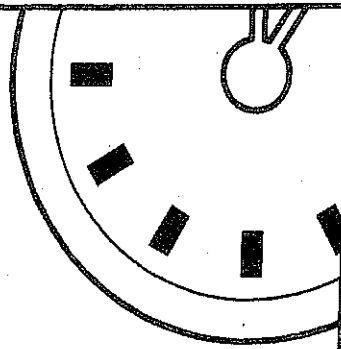
9. $a + a + a$

d. $\frac{a}{2}$

10. $0a$

e. $2a$

NAME: _____



MINUTE 15

1. $\frac{6}{0.5} =$

2. What is the remainder of 21 divided by 4? _____

3. Is $\sqrt{47}$ closer to 6 or 7? _____

4. Place () symbols in this problem to make a true statement: $4 + 5 \cdot 2 = 18$

5. $1.435 \times 10^2 = 143.5$ Circle: True or False

6. If $5.48 = 5 + \frac{a}{10} + \frac{8}{b}$, then $a =$ _____ and $b =$ _____.

7. Half of a circle is a _____.
a. square b. triangle c. diamond d. semicircle

8. Shade the figure with the fewest vertices. Cross out the figure with the most vertices.



9. If it is 4 o'clock now, what time will it be in 9 hours? _____

10. Which one of the following shapes comes next in the pattern?



