

Name _____

Date _____

Standard First Quarter Review Work

Directions: Solve each problem.

1. Which of the following is not true?

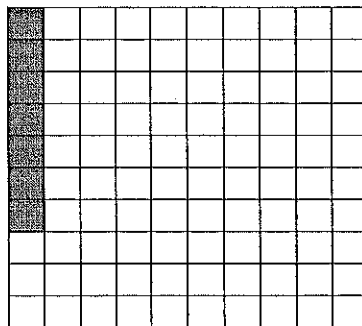
A) $\frac{1}{2} = 0.5 = 50\%$

B) $\frac{3}{5} = 0.6 = 60\%$

C) $\frac{3}{8} = 0.375 = 37.5\%$

D) $\frac{2}{3} = 0.23 = 23\%$

2.



The shaded part of the grid represent all of these except-

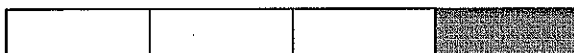
A) 7 %

B) 0.7

C) 0.07

D) $\frac{7}{100}$

3. What percent of the rectangle is shaded?



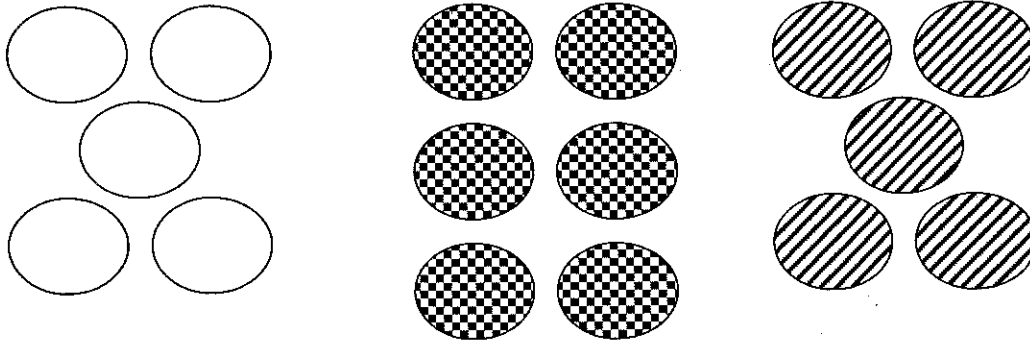
A) 25%

B) 50%

C) 75%

D) 0.25

4. The picture shows the balls in the gym.



What is the ratio of the number of striped balls to checkered balls?

- A) 5 to 16
- B) 6 to 15
- C) 5 to 6
- D) 6 to 5

5. Mr. Currier's class is having a Halloween party. For the party there are 6 bottles of soda, 10 bottles of juice, and 5 boxes of donuts. What is the ratio of boxes of donuts to bottles of soda?

- A) 6 : 10
- B) 6 : 5
- C) 10 : 6
- D) 5 : 6

6. There are 35 hamsters and 21 guinea pigs at the pet shop. What is the ratio of guinea pigs to hamsters in lowest terms?

- A) $\frac{21}{35}$
- B) $\frac{3}{5}$
- C) $\frac{35}{21}$
- D) $\frac{5}{3}$

7. Which of these number sentences is true?

A) $\frac{5}{8} > \frac{1}{2}$

B) $\frac{3}{8} > \frac{1}{2}$

C) $\frac{5}{12} < \frac{1}{3}$

D) $\frac{4}{5} < \frac{3}{4}$

8. Which list is ordered from least to greatest?

A) 5.65, 5.56, 5.065, 5.605

B) 5.065, 5.605, 5.65, 5.56

C) 5.065, 5.56, 5.605, 5.65

D) 5.56, 5.65, 5.065, 5.605

9. Which is equivalent to $\frac{3}{10}$?

A) 0.3%

B) 3%

C) 30%

D) 300%

10. Which is the least fraction from the list below, that makes the statement true?

$$\frac{2}{3} > \underline{\hspace{2cm}}$$

A) $\frac{4}{5}$

B) $\frac{5}{6}$

C) $\frac{1}{2}$

D) $\frac{7}{8}$

11. Arrange these numbers from least to greatest.

$$0.73, \frac{5}{8}, 70.5\%, \frac{5}{6}, 0.805$$

A) $0.73, \frac{5}{8}, 70.5\%, \frac{5}{6}, 0.805$

B) $\frac{5}{8}, 70.5\%, 0.73, 0.805, \frac{5}{6}$

C) $0.73, \frac{5}{8}, \frac{5}{6}, 70.5\%, 0.805$

D) $\frac{5}{6}, 0.805, 0.73, 70.5\%, \frac{5}{8}$

12. Which number is between $1\frac{1}{2}$ and $1\frac{3}{4}$?

A) $1\frac{5}{12}$

B) $1\frac{2}{3}$

C) $1\frac{4}{5}$

D) $1\frac{3}{8}$

13. Which percent is equivalent to $\frac{2}{3}$?

A) 23%

B) 60%

C) 66%

D) $66\frac{2}{3}\%$

14. Put the following in order from greatest to least.

$$2\frac{3}{8}, 250\%, 2.4, 2\frac{7}{12}$$

15. Match the fraction with the equivalent quantity.

A) $1\frac{1}{6}$

1) $1.3\bar{3}$

B) $1\frac{5}{12}$

2) $1.1\bar{6}$

C) $1\frac{1}{3}$

3) 1.4

D) $1\frac{2}{5}$

4) $1.41\bar{6}$

5) 1.512

Identify as Arithmetic vs Geometric. Then find the next three terms.

16. 19, 29, 39, 49, _____, _____, _____ 17. 243, 81, 27, _____, _____, _____

Arithmetic Geometric

Arithmetic Geometric

18. Create a sequence with a common ratio of 2. Use 5 terms.

19. Find two different exponents with a value that falls between 10 and 30. _____

20. What are two perfect squares that fall between 30 and 75? _____
(Hint: write out all of the square numbers from 1 to 144)

21. Fill in the rest of the pattern.

1, 4, 9, 16, 25, _____, _____, _____, _____, _____

Exponential Form	Expanded Form	Value
2^5		
	$6 \times 6 \times 6$	
		81
	$7 \times 7 \times 7 \times 7$	
10^3		

Complete the table.

Solve.

27) $3^3 - 20 \div 10 \times 4 + 3$

28) $14 \div 7 \times 8 - 12 + 4^2$

29) Match the property with the correct equation.

1) Multiplicative Property of 0

A) $r \times 0 = 0$

2) Identity Property of Multiplication

B) $19 + 1 = 20$

3) Identity Property of Addition

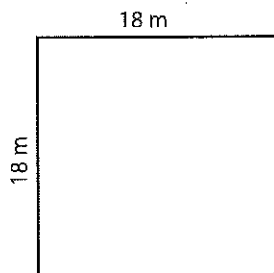
C) $45 \times 1 = 45$

D) $33 + 0 = 33$

Square - Area & Perimeter

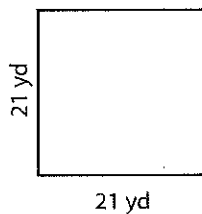
Find the area and perimeter of each square.

1)



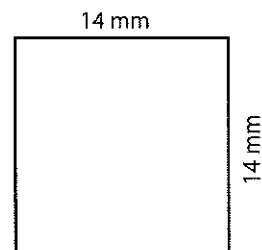
Area : _____
Perimeter : _____

2)



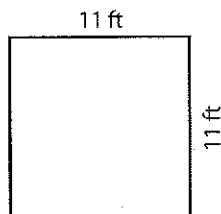
Area : _____
Perimeter : _____

3)



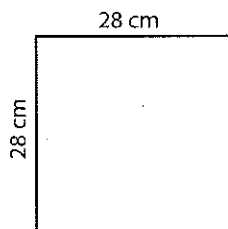
Area : _____
Perimeter : _____

4)



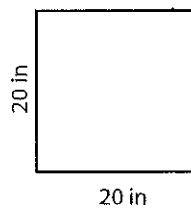
Area : _____
Perimeter : _____

5)



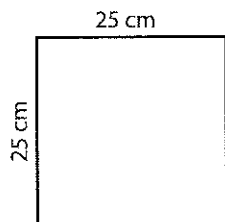
Area : _____
Perimeter : _____

6)



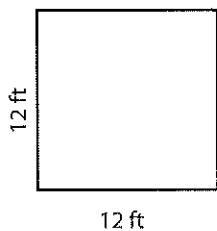
Area : _____
Perimeter : _____

7)



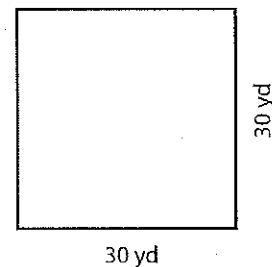
Area : _____
Perimeter : _____

8)



Area : _____
Perimeter : _____

9)



Area : _____
Perimeter : _____



Classifying Shapes

Name: _____

Determine if the shape shown is a Quadrilateral, Kite, Trapezoid, Parallelogram, Rhombus, Rectangle or Square (can be more than one).

Answers

	Sides / Angles	Sides	Angles
Q. Quadrilateral	4 / 4	Sides can be any length.	Angles can be any degree.
K. Kite	4 / 4	Has two pairs of adjacent sides. Each pairs sides are equal length.	One pair of opposite angles that are equal in degree.
T. Trapezoid	4 / 4	Sides can be any length. Has only 1 pair of parallel sides.	Angles can be any degree.
P. Parallelogram	4 / 4	Opposite sides are equal length. Opposite sides are parallel.	Opposite angles are the same.
H. Rhombus	4 / 4	All sides are equal length. Opposite sides are parallel.	Opposite angles are the same.
R. Rectangle	4 / 4	Opposite sides are equal length. Opposite sides are parallel.	All angles are 90°.
S. Square	4 / 4	All sides are equal length. Opposite sides are parallel.	All angles are 90°.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

