Name_____

1. Solve the following and write your answer as an improper fraction: (remember PEMDAS)

$$\frac{2^2 - 1}{2}$$

2. Look at the chart. How much more would a person pay for 4 T-shirts at T-shirt Connection than at Al's T-shirt Shop? (Show how you found the answer)
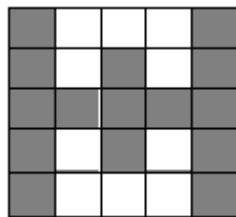
**Cost of T-shirts**

| Vendor | Cost per T-shirt |
|--------|------------------|
| Al's T-shirt Shop | $ 7.69 |
| T-shirt Connection | $ 8.39 |

A    $0.70              C    $2.80

B    $16.08             D    $1.40

3. What percent represents the shaded part of the figure (write the fraction first)
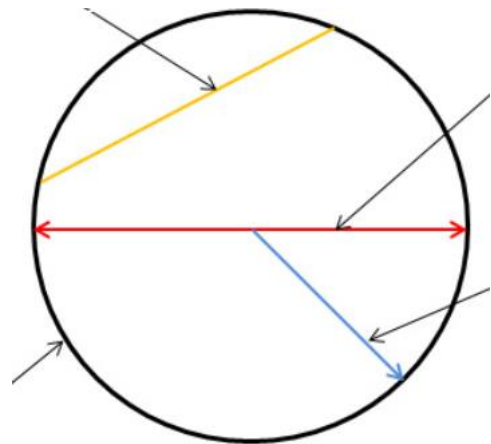
A    15%

B    60%

C    25%

D    75%

4. Circle all of the following that would have an absolute value of 4? (Show how it would have an absolute value)

A    −4              C    $^4/_4$

B    0.4             D    $^{12}/_3$

5. Name the parts of the circle:



6. Jared had a bag with 250 marbles. There were 75 blue marbles, 100 red marbles, and the rest were clear. What is the ratio of clear marbles to the total marbles? (Show how you found the ratio)

A    3 to 7           C    3 to 4

B    3 to 10          D    3 to 5

**7. Solve.**

$$-45 \div -9 + 7 - 3 \cdot 2$$

**8.** Which set of ordered pairs represents a proportional relationship?

A. (3,15), (5,17), (9,21)

B. (3,15), (5,25), (9,45)

C. (3,15), (5,23), (9,39)

D. (3,15), (5,27), (9,51)

**9. Model the following expression with counter chips (+, -); then solve.**

**-11 + 9**

**10.**

Mary correctly used the order of operations to answer the following problem:

$$20 - 8 \cdot 4 \div 2 + 6$$

What is Mary's answer?

A. 0      B. 6      C. 10      D. 30