

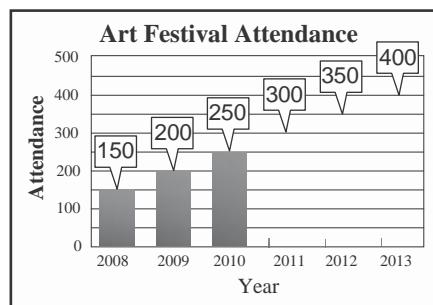
**Read each question. Then fill in the correct answer on the answer sheet provided by your teacher or on a sheet of paper.**

1. Sarah wants to buy new pillows for her room. Which store offers the best buy on pillows?

Store	Sale Price
A	3 pillows for \$40
B	4 pillows for \$50
C	2 pillows for \$19
D	1 pillow for \$11

- A. Store A  
B. Store B  
C. Store C  
D. Store D

2. The graph shows the attendance at a summer art festival from 2008 to 2013. If the trend in attendance continues, which of the following is a reasonable prediction for the attendance in 2017?



- F. Fewer than 200  
G. Between 500 and 600  
H. Between 700 and 800  
I. More than 800

3. At their annual car wash, the science club washes 30 cars in 45 minutes. At this rate, how many cars will they wash in 1 hour?

- A. 40  
B. 45  
C. 50  
D. 60

4. A necklace regularly sells for \$18.00. The store advertises a 15% discount. What is the sale price of the necklace in dollars?

5. At a middle school, 38% of all seventh graders have taken swimming lessons. There are 250 students in the seventh grade. How many of them have taken swimming lessons?

6. The cost of Ken's car wash was \$23.95. If he wants to give his detailer a 15% tip, about how much of a tip should he leave?

F. \$2.40

G. \$3.60

H. \$4.60

I. \$4.80

7. Cody has \$700 in a savings account that pays 4% simple interest. What is the amount of simple interest he will earn in 2 years?

A. \$5.60

B. \$56

C. \$560

D. \$756

8. At a pet store, 38% of the animals are dogs. If there are a total of 88 animals at the pet store, which proportion can be used to find  $x$ , the number of dogs at the pet store?

F.  $\frac{x}{88} = \frac{100}{38}$

G.  $\frac{38}{88} = \frac{100}{x}$

H.  $\frac{x}{88} = \frac{38}{100}$

I.  $\frac{100}{88} = \frac{x}{38}$

9. A wrestler competes in 25 matches. Of those matches, he wins 17. What percent of the matches did the wrestler win?

10. The average cost per month of a 2-bedroom apartment in Grayson was \$625 last year. This year, the average cost is \$650. What is the percent of increase from last year to this year?

11. Mr. Cooper asked his students whether they prefer to go to the aquarium or the planetarium for a field trip. The table shows the results.

Response	Percent
Aquarium	50
Planetarium	25

Suppose the rest of the class had no preference. What is the ratio of students who have no preference to the students who prefer to go to the aquarium?

A. 1:5

C. 1:3

B. 1:4

D. 1:2

12. In Nadia's DVD collection, she has 8 action DVDs, 12 comedy DVDs, 7 romance DVDs, and 3 science fiction DVDs. What percent of Nadia's DVD collection are comedies?

F. 25%

G. 30%

H. 35%

I. 40%

13. A salesman needed to sell a four-wheeler. He priced it at \$3,500 the first day it was on the market. The second day he reduced the price by 10%. What was the price of the four-wheeler after this reduction?

A. \$3,850

B. \$3,465

C. \$3,150

D. \$3,000

14. Cable Company A increases their rates from \$98 a month to \$101.92 a month.

**Part A** What is the percent of increase?

**Part B** Cable Company B offers their cable for \$110 dollars a month but gives a 10% discount for new customers. Describe two ways to find the cost for new customers.

**Part C** If you currently use Cable Company A, would it make sense to change to Cable Company B? Explain.