

**16**

A bicycle shop has 24 bicycles for sale. Their prices are listed below.

\$119   \$129   \$140   \$ 95   \$109   \$ 99   \$109   \$ 79  
 \$199   \$229   \$ 89   \$263   \$179   \$165   \$179   \$125  
 \$399   \$ 89   \$249   \$149   \$329   \$289   \$379   \$209

Which frequency table correctly shows the distribution of these prices?

**A**

Price Range	Number of Bicycles
\$0–\$99	5
\$100–\$199	11
\$200–\$299	5
\$300–\$399	3

**B**

Price Range	Number of Bicycles
\$0–\$99	5
\$100–\$199	11
\$200–\$299	4
\$300–\$399	4

**C**

Price Range	Number of Bicycles
\$0–\$99	5
\$100–\$199	10
\$200–\$299	5
\$300–\$399	4

**D**

Price Range	Number of Bicycles
\$0–\$99	5
\$100–\$199	10
\$200–\$299	4
\$300–\$399	5

**17** Between which two whole numbers does the value of  $\sqrt{150}$  lie?

- A** 11 and 12
- B** 12 and 13
- C** 13 and 14
- D** 14 and 15

**18** Amon predicted that he would get 22 out of 25 words correct on his spelling test. He actually got an 84% on the test. How did Amon's prediction compare to his actual results?

- A** The prediction was the same as the actual results.
- B** The prediction was lower than the actual results.
- C** The prediction was higher than the actual results.
- D** The prediction cannot be compared to the actual results.

**19** Mr. Francia paid Becca and Sophie  $n$  dollars to mow his lawn. They spent \$6.00 to refill the lawnmower's gas tank, and shared the remaining money equally. Which expression gives the number of dollars left for each girl?

- A**  $6 - \frac{n}{2}$
- B**  $\frac{n}{2} - 6$
- C**  $\frac{6 - n}{2}$
- D**  $\frac{n - 6}{2}$

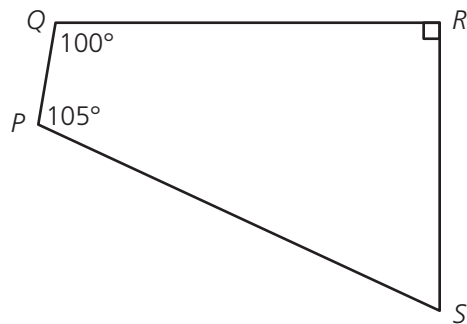
**20** What is the greatest common factor (GCF) of 32 and 48?

- A** 2
- B** 4
- C** 8
- D** 16

**21** A lawn sprinkler delivers water to a circular region with an area of  $16\pi$  square meters. What is the radius of the circular region?

- A** 4 meters
- B**  $4\pi$  meters
- C** 8 meters
- D**  $8\pi$  meters

**22** In quadrilateral  $PQRS$ ,  $m\angle P = 105^\circ$ ,  $m\angle Q = 100^\circ$ , and  $\angle R$  is a right angle.



What is the measure of  $\angle S$ ?

- A**  $55^\circ$
- B**  $65^\circ$
- C**  $75^\circ$
- D**  $85^\circ$