Calculator Race

1. Reena used $2\frac{2}{7}$ gallons of gasoline on Monday and $1\frac{1}{3}$ on Tuesday. How much gasoline did she use on those two days?

(A) $3\frac{2}{21}$

(B) $3\frac{3}{21}$

(C) $3\frac{3}{10}$

(D) $3\frac{13}{21}$

(E) $3\frac{15}{21}$

2. A rectangular lot that measures 250 feet by 300 feet is completely fenced. What is the approximate length of the fence, in feet?

(A)   500
(B)   550
(C)   750
(D) 1,100
(E) 1,500

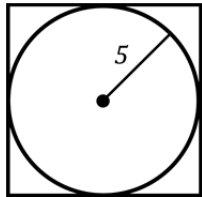**3.** If 12 roses cost $18.00, what is the cost of one rose?

(A) $0.60
(B) $0.67
(C) $1.34
(D) $1.50
(E) $3.00

4. In a survey of 61 people, 39 responded that they had seen a certain movie. Approximately what percentage of the people had seen the movie?

(A) 15%
(B) 22%
(C) 39%
(D) 45%
(E) 64%

5. What is the value of $\left|-4\right|-\left|5-12\right|$?

(A) −11
(B) −3
(C)   3
(D) 11
(E) 22

6. The formula for converting temperature readings in degrees Fahrenheit, F, into degrees Celsius, C, is $F=\left(\frac{9}{5}\right)C+32$. If the reading on a Celsius thermometer is 34°, then what is the equivalent temperature, to the nearest degree, on a Fahrenheit thermometer?

(A)   2°
(B) 18°
(C) 52°
(D) 66°
(E) 93°

7. Natalie rode her bicycle 3.1 miles in 20 minutes. What was her speed in miles per hour?

(A)   1.0
(B)   3.1
(C)   9.3
(D) 16.9
(E) 60.1

8. In the figure above, a circle with radius 5 is inscribed in a square. What is the area of the square?

(A) 5π
(B) 25
(C) 10π
(D) 25π
(E) 100

9. A box contains 12 ounces of plastic fasteners. If each fastener weighs 0.03 ounces, how many fasteners does the box contain?

(A) 36
(B) 40
(C) 90
(D) 150
(E) 400

10. If $x^2 = 81$ and $y^2 = 49$, which of the following can be the value of $x + y$?

(A) −16
(B) −4
(C) 1
(D) 9
(E) 14