MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Subtract. Check by adding.

1) \[
6937
- 5591
\]

A) 6346  
B) 1344  
C) 1346  
D) 1284

Solve.

2) A rectangular plot of land measure 70 feet by 190 feet. Find its area.

A) 1330 sq. ft.  
B) 13,300 sq. ft.  
C) 520 sq. ft.  
D) 260 sq. ft.

Multiply. Write the answer in simplest form.

3) \[
\frac{2}{3} \cdot \frac{2}{19} \cdot \frac{9}{20} \cdot \frac{40}{4}
\]

A) \(\frac{19}{6}\)  
B) \(\frac{53}{46}\)  
C) \(\frac{4}{57}\)  
D) \(\frac{6}{19}\)

Add and simplify.

4) \[
\frac{1}{7} + \frac{3}{7} + \frac{1}{7}
\]

A) \(\frac{3}{343}\)  
B) \(\frac{3}{7}\)  
C) \(\frac{5}{7}\)  
D) \(\frac{5}{21}\)

Add.

5) \[
284.413 + 22.953 + 6.722
\]

A) 314.198  
B) 314.088  
C) 314.188  
D) 314.098

Solve.

6) A farmer sells 10,000 bushels of cotton for $3.25 a bushel. How much did the farmer receive?

A) $33,500.00  
B) $32,500.00  
C) $335,000.00  
D) $325,000.00

Divide.

7) \[
328.32 \div 10.8
\]

A) 31.4  
B) 3.04  
C) 304  
D) 30.4
8) Residents in a small town eat an average 6 hamburgers per month at neighborhood barbecues. Residents of a large city eat an average 3 hamburgers per month at neighborhood barbecues. Find the ratio of the number of hamburgers eaten by small town residents to the amount eaten by large city residents.

A) 2  B) \( \frac{6}{3} \)  C) \( \frac{3}{6} \)  D) \( \frac{1}{2} \)

Solve.

9) Write the equivalent decimal and fraction for 70%.

A) 0.7; \( \frac{7}{10} \)  B) 70; 70  C) 7; \( \frac{7}{100} \)  D) 0.07; 7

Solve. Round the answer to the nearest cent, if necessary.

10) Last year the profit for a company was \$76,000. This year's profit decreased by 6.4%. Find this year's profit.

A) \$48,640  B) \$71,136  C) \$4864  D) \$27,360

Solve. Remember to insert units in your answer.

11) A store buys 18 kg of rice in bulk. If the rice is divided into 8 packets of equal weight, how many kilograms will be in each packet?

A) 0.44 kg  B) 22.5 kg  C) 4.44 kg  D) 2.25 kg

Convert the measurement as indicated.

12) 7 c to pints if 2 cups equal 1 pint

A) 1\( \frac{3}{4} \) pt  B) 28 pt  C) 3\( \frac{1}{2} \) pt  D) 14 pt

Find the area of the geometric figure.

13) \[
\begin{array}{c}
\text{8 dm} \\
\text{6 dm}
\end{array}
\]

Remember that the area of a triangle is \((\text{base} \times \text{height}) / 2\)

A) 14 sq dm  B) 24 sq dm  C) 48 sq dm  D) 96 sq dm
Find the volume of the solid. Use $\frac{22}{7}$ for $\pi$.

14)

![Diagram of a rectangular prism with dimensions 2 ft x 2 ft x 7 ft]

A) 98 cu ft  
B) 14 cu ft  
C) 11 cu ft  
D) 28 cu ft

Solve the equation.

15) $4n - 5 = 11$

A) 7  
B) 16  
C) 4  
D) 12

FREE RESPONSE. Solve the problems below showing all of your work.

Solve. Write the answer in simplest form.

16) A rectangular flower bed in front of a building measures $4\frac{1}{2}$ feet by $7\frac{1}{9}$ feet. What is the total area of the flower bed? Hint: The area of a rectangle is the product of the length times the width.

Solve.

17) Kim decided to do some spring cleaning. She spent $7\frac{4}{5}$ hours cleaning her garage on Saturday. The next day she spent $5\frac{1}{5}$ hours cleaning her basement. What was the total amount of time she spent cleaning that weekend?
18) On an architect's blueprint, 1 inch corresponds to 12 feet. If an exterior wall is 56 feet long, find how long the blueprint measurement should be. Write answer as a mixed number if necessary.

Find the perimeter of the figure.

19)  
\[
\begin{array}{c}
\text{12 units} \\
\text{16 units} \\
\text{4 units} \\
\text{9 units} \\
\text{10 units}
\end{array}
\]

Simplify.

20) \[ \frac{|6 - 9| + \sqrt{36}}{-6(4) - (-6)} \]