Name __LO2__

Study Guide 2.5 - 2.7

1. Label the following with the correct term.
   divisor   dividend   quotient

$$28 \div 7 = 4$$
dividend divisor quotient

Divide

2. $63,600 \div 100 = 636$

√3. $4,850,000 \div 1,000 = 48,500$

Fill in the blank

4. $720 \div \underline{10} = 72$

5. $2,800 \div \underline{100} = 28$

Divide. Show your work

6. $148 \div 24 = 6r4$

$$
\begin{array}{r}
6r4 \\
24\overline{)148} \\
-144 \\
\hline
4
\end{array}
$$

7. $167 \div 11 = 15r2$

$$
\begin{array}{r}
15r2 \\
11\overline{)167} \\
-11\downarrow \\
\hline
57 \\
-55 \\
\hline
2
\end{array}
$$

8. $4,530 \div 15 = 302$

$$
\begin{array}{r}
302 \\
15\overline{)4,530} \\
-45\downarrow\downarrow \\
\hline
030\downarrow \\
-30 \\
\hline
0
\end{array}
$$

Evaluate the numeric expression

9. $80 - 35 + 15 = 30$ 10. $5 + 175 \div 5 \times 2 = 18$

   $80 - 35 =$ $175 \div 5 = 35$
   $45 + 15$ 35×2
   60 $70 + 5$
                                   75

11. $[120 - (43 + 17)] \times 3 = 60$ ✱ $118 + \{[407 - (318 - 16)] \div 3\} = 4$

   60×3 $318 - 16$
   $43 + 17$ $407 - 302$
   $120 - 60$ $105 \div 3 = 5$
   60×3 $118 + 35$
   180 153

12. Dr. Burgandy purchased new ceiling lights for each of the eleven rooms in his house. He paid a total of $176 for the lights. How much did each light cost?

Each light
cost $16 dollars.

$$
\begin{array}{r}
16 \\
11\overline{)176} \\
-11 \downarrow \\
\hline
66 \\
-66 \\
\hline
0
\end{array}
$$

13. Miss Amber purchased new carpeting for her living room. The carpet she chose cost $12 per square foot. Her living room measured 233 square feet. What was the total cost of the carpeting?

The total cost of
the carpeting is $2,796

$$
\begin{array}{r}
233 \\
\times 12 \\
\hline
466 \\
2330 \\
\hline
\$2,796
\end{array}
$$