

Name LOZ

Study Guide 2.5 - 2.7

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

$$\begin{array}{ccc} 28 & \div & 7 = 4 \\ \text{dividend} & \text{divisor} & \text{quotient} \end{array}$$

Divide

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

3. $4,850,000 \div 1,000 = 4,850$

Fill in the blank

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

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

Divide. Show your work

6. $148 \div 24 = 6 \text{ r } 4$ $167 \div 11 = 15 \text{ r } 2$ $4,530 \div 15 = 302$

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

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

$$\begin{array}{r} 302 \\ 15 \overline{) 4530} \\ \underline{-45} \downarrow \downarrow \\ 030 \\ \underline{-30} \\ 0 \end{array}$$

Evaluate the numeric expression

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

$$\begin{array}{r} 35 + 15 \\ 80 - 50 \\ 30 \end{array}$$

$$\begin{array}{r} 5 \times 2 \\ 175 \div 5 \\ 180 \div 10 \\ 18 \end{array}$$

✓ 11. $[120 - (43 + 17)] \times 3 = 60$ ✓ $118 + \{ [407 - (318 - 16)] \div 3 \} = 74$

$$43 + 17$$

$$60 \times 3$$

$$180 - 120$$

$$118 + 407$$

$$318 - 16$$

$$525 - 302$$

$$223 \div 3 = 74.3$$

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.

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

- ✓ 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 1915.

$$\begin{array}{r} 1915 \\ 12 \overline{) 233} \\ - 12 \downarrow \\ 113 \\ - 108 \\ 5 \end{array}$$