

Homework

Write an equation and use it to solve the problem. Draw a model if you need to.

Show your work.

1. The Yukon River is 1,980 miles long, and twice as long as the Platte River. How many miles long (l) is the Platte River?

2. The height of the Empire State Building in New York City is 1,250 feet, and 364 fewer feet than the height of the World Financial Center building in Shanghai, China. What is the height (h) of the World Financial Center building?

3. Olivia is 48 inches tall, and $\frac{2}{3}$ as tall as her brother Cameron. In inches, how tall (t) is Cameron?

4. Sydney is shopping for a new television. The cost of a 32-inch LCD flat screen is \$149.95. The cost of 46-inch LED flat screen is \$280.04 more. What is the cost (c) of the 46-inch LED flat screen television?

5. After arriving home from school, Luis read for $\frac{1}{3}$ of an hour. If he reads for $1\frac{1}{6}$ hours after dinner, how many hours (h) will Luis have read altogether?

6. Each morning, Jared needs 60 minutes to get ready for school. Kiara needs $\frac{7}{12}$ as much time as Jared. How many minutes does Kiara need each morning to get ready for school?

7. When compared to Tasha, Liam spent 20 additional minutes doing homework. Liam took 45 minutes to complete his homework. How long did it take Tasha?

Remembering

Solve.

$$\begin{array}{r} 1. \quad 6.9 \\ \times 4.2 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 7.3 \\ \times 0.90 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 5.8 \\ \times 0.54 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 5.3 \\ \times 0.08 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 0.7 \\ \times 6.25 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 9.4 \\ \times 1.7 \\ \hline \end{array}$$

Divide.

$$7. \quad 0.05 \overline{)4.5}$$

$$8. \quad 0.3 \overline{)1.5}$$

$$9. \quad 0.04 \overline{)2.32}$$

$$10. \quad 0.64 \overline{)4.928}$$

$$11. \quad 0.6 \overline{)5.43}$$

$$12. \quad 0.08 \overline{)4.32}$$

Solve. Draw a model if you will find it helpful.

13. The gymnasium at Audubon Middle School is $\frac{5}{6}$ the height of a 30-foot-tall building that is next to the gymnasium. What is the height (h) in feet of the gymnasium?

14. Amiee's karate instructor has 595 students. That is 5 times the number of students that her dance instructor has. How many students does her dance instructor have?

15. **Stretch Your Thinking** Draw a model that shows $5 \cdot \frac{3}{5} = 3$.
