

Homework

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

1. A flagpole flying the Ohio state flag is $\frac{9}{10}$ the height of a 30-foot-tall flagpole that is flying the U.S. flag. What is the height (h) in feet of the flagpole flying the Ohio state flag?
- _____

2. The number of students in the Period 7 study hall at Jin's school is 4 times the number of students in Jin's home room. How many students (s) are in the study hall if there are 16 students in Jin's home room?
- _____

3. The enrollment at Roosevelt High School is 1,045 students, which is 5 times the enrollment of Truman Middle School. How many students (s) are enrolled at Truman Middle School?
- _____

4. A truck weighs 5,400 pounds. An open-wheel race car weighs $\frac{1}{4}$ as much. How much does the race car weigh?
- _____

5. Owen and Maya each studied for a test. Owen studied for 90 minutes and Maya studied for 0.5 times that length of time. Who studied more? Multiply to check your prediction.

Prediction: _____

6. Sonia's family has 2 children, which is $\frac{2}{3}$ the number of children in Zeke's family. Which family has more children? Divide to check your prediction.

Prediction: _____

Remembering

Copy each exercise. Then add or subtract

1. $22.09 - 17 = \underline{\hspace{2cm}}$

2. $7 - 0.05 = \underline{\hspace{2cm}}$

3. $4.07 - 0.3 = \underline{\hspace{2cm}}$

4. $44 + 5.06 = \underline{\hspace{2cm}}$

5. $0.07 + 0.8 = \underline{\hspace{2cm}}$

6. $0.55 + 0.31 = \underline{\hspace{2cm}}$

Solve.

7. $0.5 \times 0.04 = \underline{\hspace{2cm}}$

8. $0.3 \times 0.7 = \underline{\hspace{2cm}}$

9. $0.07 \times 0.2 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 10. \quad 0.46 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 0.06 \\ \times 0.8 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 3.2 \\ \times 9 \\ \hline \end{array}$$

Solve each problem.

Show your work.

13. A soccer team has 35 soccer balls. One fifth of the balls are made of leather. How many of the balls are leather?

14. There are 56 fifth graders who play basketball. That is 7 times the number of fifth graders who play tennis. How many fifth graders play tennis?

15. **Stretch Your Thinking** Samantha draws a hopscotch diagram on the sidewalk in front of her house. The diagram is 10 feet long. Her neighbor asks her to draw a 4-foot hopscotch diagram on a canvas mat. In simplest form, what fraction of the length of Samantha's diagram is her neighbor's diagram?
