

Homework

Solve each problem. Draw a model if you need to.

1. Spectators for a high school football game sit in bleachers along one side of the field. Altogether, the bleachers seat 1,152 spectators in 16 rows of equal length. How many spectators can be seated in one row of the bleachers?

Show your work.

2. How many periods of time, each $\frac{1}{3}$ of an hour long, does a 8-hour period of time represent?

3. The area of a rectangular ceiling is 130.5 square feet, and one measure of the ceiling is 14.5 feet. What is the other measure of the ceiling?

4. Sorbet is a frozen dessert that is often made from fruit. How many portions, each weighing $\frac{1}{10}$ of a kilogram, can a French dessert chef create from 3 kilograms of sorbet?

5. The family room floor in Zack's home has a rectangular area rug that measures 6.5 feet by 9 feet. The floor is rectangular and measures 10 feet by 12 feet. What area of the floor is not covered by the rug?

6. A cargo van is carrying 20 identical steel cylinders. Each cylinder contains compressed oxygen. Altogether, the cylinders weigh $\frac{1}{2}$ of a ton.

- a. In tons, what is the weight of each cylinder?

- b. One ton = 2,000 pounds. In pounds, what is the weight of each cylinder?

Remembering

Multiply.

1. $\frac{6}{7} \cdot 42 = \underline{\hspace{2cm}}$

2. $\frac{1}{3} \cdot 36 = \underline{\hspace{2cm}}$

3. $\frac{4}{5} \cdot 15 = \underline{\hspace{2cm}}$

4. $\frac{1}{4} \cdot 28 = \underline{\hspace{2cm}}$

5. $\frac{5}{9} \cdot 81 = \underline{\hspace{2cm}}$

6. $\frac{3}{8} \cdot 72 = \underline{\hspace{2cm}}$

Write an equation. Then solve.

Show your work.

7. There is $\frac{1}{4}$ of a peach pie left after a family picnic. Four cousins share the leftover pie equally. What fraction of a whole pie will each cousin receive?

8. Tully has 24 stamps in his collection. This is $\frac{1}{3}$ times the number Jordan has. How many stamps does Jordan have?

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

9. Candace jumped 11.45 feet in a long jump competition. What is the length of Maria's jump if she jumped 1.05 fewer feet than Candace?

10. **Stretch Your Thinking** Ms. Jackson has \$97.00 to spend on games for her classroom. She buys six board games that cost \$11.95 each and a video game that costs \$24.10. How much money does Ms. Jackson have left to buy more games? Write an equation to solve the problem.
