Fraction Word Problems

Name KEY

1. On Friday night, Lauren ate a pizza for dinner and had 4/5 of the pizza left over. On Saturday, she ate 2/3 of what was left. How much of the pizza did Lauren eat on Saturday?
**Remember: "of" means multiply.*

$\frac{2}{3} \cdot \frac{4}{5} = \frac{8}{15}$ of a pizza

2. During snack time at preschool, the teacher divided 5/6 of a gallon of milk evenly among 5 students. How much milk did each student get?

$\frac{5}{6} \cdot \frac{1}{5} = \frac{1}{6}$ gallon

3. How many cupcakes can I make with 16 cups of batter if I pour 2/3 cups of batter into each cupcake?

$\frac{16}{1} \cdot \frac{3}{2} = 24$ cupcakes

4. Find the area of a rectangular park which is $3^3/_5$ in long and $6^2/_3$ in wide.

$\frac{18}{5} \cdot \frac{20}{3} = 24 \text{ in}^2$

5. Adrian earns $ 3600 per month. He spends 1/4 of his income on rent, 2/5 on food, 1/9 on activities, and he save the rest. How much does he save each month?

$\frac{1}{4} + \frac{2}{5} + \frac{1}{9} = \frac{137}{180}$

$\frac{137}{180} \cdot 3600 = 2740$

$3600 - 2740 = \$860$

6. Mr. Hill spent $200 to attend a NFL football game. One-tenth of this cost was for a parking pass.
How much was the parking pass?

$\frac{1}{10} \cdot \frac{200}{1} = \$20$

7. A bookrack is 61 ¼ inches wide. I want to place a set of encyclopedias on the rack, each measuring 1 ¾ inches wide. How many encyclopedias will fit on the rack?

$\frac{245}{4} \cdot \frac{4}{7} = 35$ encyclopedias

8. You have $2\frac{5}{8}$ pizzas to share equally with 3 people. How much will each person get?

$\frac{21}{8} \cdot \frac{1}{3} = \frac{7}{8}$ pizza

9. A recipe calls for ¾ cups of flour. If I plan to make only 2/3 of the recipe, how much flour should I use?

$\frac{2}{3} \cdot \frac{3}{4} = \frac{1}{2}$ cup

10. Dora is planting flowers. Her garden is 7 ft long and wide enough for one flower. She is going to plant a flower every six inches, including one at both ends. If 2/5 of her flowers are red, how many flowers are red?

$\frac{84}{6} = 14 + 1 = 15$

$\frac{2}{5} \cdot \frac{15}{1} = 6$ red flowers

11. Five people share ½ lb of chocolate evenly. How much will each person get?

$\frac{1}{2} \cdot \frac{1}{5} = \frac{1}{10}$ lb.

12. Jaden buys a necklace at an auction for $34.50. She sells it on the internet for $62.00 but has to pay the website a fee of 1/10 of the sale price and also pays $3.50 in shipping costs. How much profit does she make?

$\frac{62}{1} \cdot \frac{9}{10} = 55.80$

$55.80 - 3.50 - 34.50 =$

$\$17.80$