

Fraction Word Problems (E)

Name KEY

<p>1. On Friday night, Lauren ate a pizza for dinner and had $\frac{4}{5}$ of the pizza left over. On Saturday, she ate $\frac{1}{3}$ of what was left. How much of the pizza did Lauren eat on Saturday? Remember "of" means multiply.</p> $\frac{4}{5} \cdot \frac{1}{3} = \frac{4}{15} \text{ of a pizza}$ <p style="text-align: center;">(C)</p>	<p>2. During snack time at preschool, the teacher divided $\frac{7}{8}$ of a gallon of milk evenly among 7 students. How much milk did each student get?</p> $\frac{7}{8} \cdot \frac{1}{7} = \frac{1}{8} \text{ gallon}$ <p style="text-align: center;">(I)</p>	<p>3. You have $2\frac{1}{4}$ pizzas to share equally with 3 people. How much will each person get?</p> $\frac{9}{4} \cdot \frac{1}{3} = \frac{3}{4} \text{ of a pizza}$ <p style="text-align: center;">(G)</p>
<p>4. After grading the history exam, Mr. Parsons discovered that $\frac{2}{3}$ of the students who had taken the exam earned A's or B's. Of those students, $\frac{1}{5}$ had earned 100% on the exam. If Mr. Parsons has 180 students, how many students earned 100% on the exam?</p> $\frac{2}{3} \cdot \frac{180}{1} = 120$ <p style="text-align: center;">(D)</p> $\frac{1}{5} \cdot \frac{120}{1} = 24 \text{ students}$	<p>5. A spice merchant divided $\frac{4}{5}$ of a pound of ground cinnamon into 2 equal packages. She then sold the ground cinnamon to restaurants and bakeries. What was the weight of ground cinnamon in each package?</p> $\frac{4}{5} \cdot \frac{1}{2} = \frac{2}{5} \text{ of a lb.}$ <p style="text-align: center;">(B)</p>	<p>6. Richard has a board that is $2\frac{1}{2}$ feet long. He needs a board that is $\frac{1}{4}$ of this length. What is the length of the board Richard needs?</p> $\frac{5}{2} \cdot \frac{1}{4} = \frac{5}{8} \text{ ft}$ <p style="text-align: center;">(F)</p>
<p>7. Nora is planting flowers. Her garden is 3 ft long and wide enough for one flower. She is going to plant a flower every 4 inches, including one at both ends of the garden. If $\frac{2}{5}$ of her flowers are red, how many are red?</p> $\frac{12}{1} \cdot \frac{3}{1} = \frac{36}{1} \cdot \frac{1}{4} = 9$ <p style="text-align: center;">(E)</p> $9 + 1 = 10$ $\frac{10}{1} \cdot \frac{2}{5} = 4 \text{ red flowers}$	<p>8. Six people share $\frac{1}{2}$ lb of chocolate evenly. How much will each person get?</p> $\frac{1}{2} \cdot \frac{1}{6} = \frac{1}{12} \text{ lb}$ <p style="text-align: center;">(A)</p>	<p>9. Charlene has a piece of wood that is $5\frac{3}{5}$ ft long. She needs a piece that is $\frac{1}{6}$ of this length. What is the length of the piece of wood she needs?</p> $\frac{27}{5} \cdot \frac{1}{6} = \frac{27}{30} = \frac{9}{10} \text{ ft}$ <p style="text-align: center;">(H)</p>

ANSWERS:

- A. $\frac{1}{12}$ B. $\frac{2}{5}$ C. $\frac{4}{15}$ D. 24 E. 4 F. $\frac{5}{8}$ G. $\frac{3}{4}$ H. $\frac{9}{10}$ I. $\frac{1}{8}$