Check Your Answers on Fraction Word Problems!	
1. $\frac{2}{5}$ of her allowance $\left(\frac{4}{10} \div \frac{2}{2} = \frac{2}{5}\right)$ A fraction compares the part (by eliminating common factor)	(\$4) to the whole (\$10). Always remember to simplify rs between the numerator and denominator.
2. $\frac{5}{6}$ bucket of water $\left(\frac{1}{2} + \frac{1}{3} = \frac{1}{2} \cdot \frac{3}{3} + \frac{1}{3} \cdot \frac{2}{2} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}\right)$	<ul> <li>Addition requires "like terms" or common denominators.</li> <li>Produce a common denominator by multiplying by a form of 1 (which does not change the value).</li> </ul>
3. $\frac{3}{8}$ cup of cocoa $\left(\frac{1}{2} \text{ of } \frac{3}{4} = \frac{1}{2} \cdot \frac{3}{4} = \frac{3}{8}\right)$ Dividing by 2 (cutting by one-half. Note that	the recipe in half) is the same as multiplying t "of" typically indicates multiplication.
4. $\frac{1}{12}$ of the distance $\left(\frac{3}{4} - \frac{2}{3}\right) = \frac{3}{4} \cdot \frac{3}{3} - \frac{2}{3} \cdot \frac{4}{4} = \frac{9}{12} - \frac{8}{12} = \frac{1}{12}$	
6. $\frac{4}{5}$ of the class $\left(\frac{1}{10} + \frac{1}{5} + \frac{2}{5} + \frac{1}{10} = \frac{1}{10} + \frac{1}{5} \cdot \frac{2}{2} + \frac{2}{5} \cdot \frac{2}{2} + \frac{2}{5} \cdot \frac{2}{2} + \frac{2}{5} \cdot \frac{2}{5} + 5$	ivisor (the second term). $\frac{1}{10} = \frac{1}{10} + \frac{2}{10} + \frac{4}{10} + \frac{1}{10} = \frac{1+2+4+1}{10} = \frac{8}{10} \div \frac{2}{2} = \frac{4}{5}$
7. $\frac{2}{15}\left(\frac{1}{3} - \frac{1}{5}\right) = \frac{1}{3} \cdot \frac{5}{5} - \frac{1}{5} \cdot \frac{3}{3} = \frac{5}{15} - \frac{3}{15} = \frac{2}{15}$	
8. $\frac{1}{2}$ $\left(\frac{2}{3} \text{ of } \frac{3}{4} = \frac{2}{3} \cdot \frac{3}{4} = \frac{1}{2} \cdot \frac{3}{4} \cdot \frac{3}{4} = \frac{1}{2} \cdot \frac{3}{4} \cdot \frac{3}{4} = \frac{1}{2} \right)$ "Two-thirds of the sector the sector the sector in the theatened of theatened of the theatened of theatened o	<i>uts sold</i> " were filled with children under 12. If one-fourth of were empty, then three-fourths of the seats were sold.
9. $1\frac{1}{4}$ [Number of cups of trail mix ÷ (Reese + 3 friends) = 5 cups ÷ 4 p	people = $\frac{5}{4}$ or $1\frac{1}{4}$ cups of trail mix each]
(Number of cups of trail mix = $2\frac{1}{2} + 1\frac{3}{4} + \frac{1}{2}(1\frac{1}{2}) = \frac{5}{2} + \frac{7}{4} + \frac{1}{2}(1\frac{1}{2}) = \frac{7}{4} + \frac{1}{2}(1\frac{1}{2}) = \frac{7}{4} + \frac{7}{4} + \frac{1}{2}(1\frac{1}{2}) = \frac{7}{4} + \frac{7}{4} + \frac{1}{4} + \frac{1}{4}(1\frac{1}{2}) = \frac{7}{4} + \frac{1}{4} + \frac{1}{4}(1\frac{1}{2}) = \frac{7}{4} + \frac{1}{4} + \frac{1}{4}(1\frac{1}{4}) = \frac{7}{4} + \frac{1}{4}(1\frac{1}{4}) = \frac{7}{4} + \frac{1}{4} + \frac$	$\frac{1}{2} \cdot \frac{3}{2} = \frac{5}{2} \cdot \frac{2}{2} + \frac{7}{4} + \frac{3}{4} = \frac{10}{4} + \frac{7}{4} + \frac{3}{4} = \frac{20}{4} = 5$
10. $9\frac{3}{8}$ days $\left[12\frac{1}{2} \div (2 \text{ pets} \cdot \frac{1}{3} \text{ cup of food } \cdot 2 \text{ times per day})\right] = \frac{2}{3}$	$\frac{25}{2} \div (\frac{2}{1} \cdot \frac{1}{3} \cdot \frac{2}{1}) = \frac{25}{2} \div \frac{4}{3} = \frac{25}{2} \cdot \frac{3}{4} = \frac{75}{8} = 9\frac{3}{8}$ days
Perfect score? Yes! You've got this!! Fraction	ons are no problem for you!!!
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