

Calculate Unit Rates With Fractions

Calculate the unit rate for each problem. Simplify your answer and write it as a proper fraction, mixed number, or whole number.

<p>1. $\frac{1}{2}$ of a gallon of orange juice every 3 days</p> <p><u>$\frac{1}{6}$</u> gallons per day</p>	<p>2. 90 pounds of concrete for $\frac{3}{5}$ of a cubic foot</p> <p><u>150</u> pounds per cubic foot</p>
<p>3. 2 buckets hold $\frac{1}{8}$ of a pound of sand</p> <p><u>$\frac{1}{16}$</u> pounds per bucket</p>	<p>4. 40 apple trees per $\frac{1}{4}$ of an acre</p> <p><u>160</u> trees per acre</p>
<p>5. 4 pots hold $\frac{1}{5}$ of a pound of soil</p> <p><u>$\frac{1}{20}$</u> pounds per pot</p>	<p>6. $\frac{1}{2}$ of a kilometer in $\frac{1}{12}$ of an hour</p> <p><u>6</u> kilometers per hour</p>
<p>7. $\frac{7}{8}$ of a mile in $\frac{1}{4}$ of an hour</p> <p><u>$3\frac{1}{2}$</u> miles per hour</p>	<p>8. $\frac{1}{3}$ of a cup of sugar for $\frac{1}{2}$ of a batch of scones</p> <p><u>$\frac{2}{3}$</u> cups per batch</p>
<p>9. $\frac{1}{2}$ of a bag of lawn seed for $\frac{1}{5}$ of an acre</p> <p><u>$2\frac{1}{2}$</u> bags per acre</p>	<p>10. $\frac{1}{2}$ of a batch of cookies uses $\frac{1}{4}$ of a cup of butter</p> <p><u>$\frac{1}{2}$</u> cups per batch</p>
<p>11. $\frac{1}{10}$ of an hour to travel $\frac{3}{4}$ of a mile</p> <p><u>$7\frac{1}{2}$</u> miles per hour</p>	<p>12. $\frac{1}{3}$ of a pint of icing for $\frac{1}{4}$ of a dozen donuts</p> <p><u>$1\frac{1}{3}$</u> pints per dozen</p>