

# Activity 17 Assessment

## Dividing Decimals

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<p>Uses whole number strategies to estimate a quotient</p> <p><math>13.2 \div 2.4</math></p> <p>13.2 is about 10 and 2.4 is about 2, and <math>10 \div 2</math> is 5. So, the quotient is close to 5.</p>	<p>Uses concrete or pictorial strategies to divide decimals</p> <p><math>2.16 \div 0.8 = ?</math></p> <p>I used an area model with a width of 0.8 to create an area of 2.16. The length of the area is the quotient, 2.7.</p> <p>I checked my answer using multiplication:  <math>2 \times 0.8 = 1.6</math>  <math>0.7 \times 0.8 = 0.56</math>  <math>2.7 \times 0.8 = 2.16</math></p>	<p>Uses a variety of strategies to divide decimals</p> <p><math>1.95 \div 0.3 = ?</math></p> $  \begin{array}{r}  6.5 \\  0.3 \overline{) 1.95} \\  \underline{-0.9} \phantom{0} \\  1.05 \\  \underline{-0.9} \phantom{0} \\  0.15 \\  \underline{-0.15} \\  0  \end{array}  $	<p>Uses an appropriate strategy or tool to solve problems</p> <p>If a landscaper is paid \$21.50/h, how many hours did the landscaper work to earn \$118.25?</p> <p>My estimate is <math>120 \div 20 = 6</math>.  I used a calculator and got 5.5.  So, the landscaper worked 5.5 h.</p>
Observations/Documentation			