

Unit Rates (8-2)

<i>unit rate</i>	Decode <i>Unit rate</i>
Definition <i>denominator is 1</i>	Example $\frac{\$10}{1 \text{ hr.}}$

Example: Find the unit rate.

I Do	You Do
$\frac{\$150}{15 \text{ hours}} \div 15 = \frac{\$10}{1 \text{ hr.}}$	$\frac{339 \text{ calories}}{3 \text{ hours}} \div 3 = \frac{113 \text{ cal.}}{1 \text{ hr.}}$

Example: Find the unit rate.

I Do	You Do
<p>\$16.99 for 18 ounces</p> $\frac{\$16.99}{18 \text{ oz}} \div 18 = \frac{\$0.94}{1 \text{ oz}}$	<p>12 cookies for \$15</p> $\frac{\$15}{12 \text{ cookies}} \div 12 = \frac{\$1.25}{1 \text{ cookie}}$ <p style="text-align: right; color: blue;">hundredths ↓</p>

Example: Write the rate and unit rate.

I Do	You Do
<p>110 miles in 2 hours</p> $\frac{110 \text{ miles}}{2 \text{ hrs.}} \div 2 = \frac{55 \text{ miles}}{1 \text{ hr.}}$	<p>18 pounds for \$3</p> $\frac{\$3}{18 \text{ lbs.}} \div 18 = \frac{\$0.16666666}{1 \text{ lb.}}$ $\frac{\$0.17}{1 \text{ lb.}}$