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9/4

p.34 44 points in 4 quarters

$\frac{44 \text{ pts}}{4 \text{ qt}} = \frac{\quad}{1 \text{ qt.}}$ ← unit = 1

unit rate will always need "1" as the divisor. The divisor is always the bottom.

$\frac{44}{4} \begin{matrix}\div 4 \\ \div 4\end{matrix} = \frac{11 \text{ pts}}{1 \text{ qt.}}$

(2) $\frac{125 \text{ ft}}{5 \text{ sec}} \begin{matrix}\div 5 \\ = \\ \div 5\end{matrix} \frac{25 \text{ ft}}{1 \text{ sec}}$

(3) $\frac{360 \text{ miles}}{12 \text{ gal}} = \frac{30 \text{ miles}}{1 \text{ gal}}$ → mpg

mph, mpg → unit rates

(4) $\frac{12 \text{ meters}}{28 \text{ sec}} = \frac{.4285 \text{ m}}{1 \text{ sec}}$

$\begin{matrix}{}^{6}28 \\ \times 8 \\ \hline 224\end{matrix}$

$$\begin{array}{r} 0.4285 \\ 28\overline{)12.0000} \\ \underline{112\downarrow} \\ 80 \\ \underline{56} \\ 240 \end{array}$$

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(5) Molly

$\frac{20}{4 \text{ min}}$

$\frac{20 \text{ baskets}}{4 \text{ min}}$ $\frac{5 \text{ baskets}}{1 \text{ m}}$

Molly shot 5 bpm (baskets per minute)

Nico

$\frac{42 \text{ baskets}}{6 \text{ min}}$

$\frac{42}{6} = \frac{7 \text{ baskets}}{1 \text{ min}}$

7 bpm Nico

(6) C + 4 = 5 girls

$\frac{\$40}{5 \text{ kids' tickets}}$ $\frac{\$8}{\text{per ticket}}$

ratio
rate
unit rate > How are these related.

p. 42 #1, 2, 3
p. 44 #8, 9
p. 45 #12, 13, 14 > before lunch