

5.2b Proportions

Ex. 1 $\frac{10}{4} = \frac{m}{8}$

$4 \cdot m = 10 \cdot 8$

$4m = 80$

$m = 20$

Ex. 2 $\frac{6}{2} = \frac{b}{10}$

$2 \cdot b = 6 \cdot 10$

$2b = 60$

$b = 30$

Ex. 3 $\frac{p}{8} = \frac{6}{2}$

$p \cdot 2 = 8 \cdot 6$

$\frac{p \cdot 2}{2} = \frac{48}{2}$

$p = 24$

Ex. 4 $\frac{2}{5} = \frac{x}{10}$

$5 \cdot x = 2 \cdot 10$

$5x = 20$

$x = 4$

Ex. 5 $\frac{6}{10} = \frac{b}{3}$

$10 \cdot b = 6 \cdot 3$

$10b = 18$

$b = 1.8 \text{ or } 1\frac{4}{5}$

$10 \overline{) 18} \begin{matrix} 1 \\ 0 \end{matrix}$

HW: Finish Proportions WS