

b.1 Ratio

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Ratio: a Relationship between
2 Numbers through Division

Show the Ratio between 3 & 2.

$$\boxed{\frac{3}{2}} = 3 \div 2 = \boxed{3:2} = 1.5$$

★

3 to 2

What is the Ratio that
Compares 14 to 100

$$\frac{14}{100} = \frac{7}{50}$$

$$14:100 \Leftrightarrow 7:50$$

Equivalent Ratios

$$\frac{7}{50} = \frac{14}{100} = \frac{28}{200}$$

↑ But $\frac{7}{50}$ is
in the simplest
form



Write a Ratio that compares
the lengths in Simplest
Form.

$$\textcircled{5} \quad \frac{60}{100} = \frac{\cancel{6}^3}{\cancel{10}^5} = \frac{3}{5}$$

find the value of x to
make the Ratio $\frac{x}{30}$
equal to $\frac{1}{3}$

$$\frac{x}{30} = \frac{1}{3}$$

*(Note: In the original image, a blue arrow labeled '*10' points from the denominator 30 to the numerator x, and another blue arrow labeled '*10' points from the denominator 3 to the numerator 1. A red 'X' is drawn over the fraction line.)*

$$\underline{\underline{x = 10}}$$

$$x \cdot 3 = 30 \cdot 1$$
$$\frac{3x}{3} = \frac{30}{3}$$

$$\underline{\underline{x = 10}}$$

O.T.L.

① Pg 177: written: 1-5(u)

Pg 178: 6-20(e); 21-26(a)