

Name

Unit 1 – Day 12 Homework – Ratio and Proportions

Solve the following proportions:

1. $\frac{x}{40} = \frac{3}{8}$

$x = 15$

2. $\frac{10}{2} = \frac{m}{12}$

$m = 60$

3. $\frac{p}{8} = \frac{13}{2}$

$p = 52$

4. $\frac{4}{9} = \frac{2}{x}$

$x = 4.5$

5. $\frac{10}{y} = \frac{8}{4}$

$y = 5$

6. $\frac{4y}{9} = \frac{8}{9}$

$y = 2$

Flip Over 😊

Name

Unit 1 – Day 12 Homework – Ratio and Proportions

Solve the following proportions:

1. $\frac{x}{11} = \frac{2}{22}$

2. $\frac{10}{2} = \frac{m}{12}$

3. $\frac{p}{8} = \frac{13}{2}$

4. $\frac{4}{9} = \frac{2}{x}$

5. $\frac{10}{y} = \frac{8}{4}$

6. $\frac{4y}{9} = \frac{8}{9}$

Flip Over 😊

Write the sentence as a proportion then solve.

7. 4 is to 3 as x is to 6

$$\frac{4}{3} = \frac{x}{6}$$

$$/ \quad \boxed{x=8}$$

8. x is to 2 as 12 is to 8

$$\frac{x}{2} = \frac{12}{8}$$

$$\boxed{x=3}$$

Write the sentence as a proportion then solve.

7. 4 is to 3 as x is to 6

8. x is to 2 as 12 is to 8