



L 2.6 Ratios and Proportions

10 Questions

NAME : _____

CLASS : _____

DATE : _____

1. determine whether pair of ratios are equivalent ratios.

$$\frac{3}{7}, \frac{9}{14}$$

- ☐ a) No they are not equivalent ratio ☐ b) Yes, they are equivalent ratio

2. determine whether pair of ratios are equivalent ratios.

$$\frac{4}{3}, \frac{6}{8}$$

- ☐ a) Yes they are equivalent ratio ☐ b) No they are no equivalent ratio

3. The B-Clean Car Wash washed 120cars in 3 hours. At that rate, how many cars can they wash in 8 hours?

- ☐ a) 40 cars in 8 hours ☐ b) 320 cars in 8 hours
☐ c) 360 cars in 8 hours ☐ d) 4 cars in 8 hours

 **Help**

4.

$$\frac{k}{6} = \frac{15}{18}$$

Solve the proportion.

☐ a) $k=5$ ☐ b) $k=3.3333333$ ☐ c) $k=60$ ☐ d) $k=90$

5.

$$\frac{9}{36} = \frac{x}{24}$$

Solve for x

☐ a) $x=6$ ☐ b) $x=1/6$ ☐ c) $x=7$ ☐ d) $x=9$

6.

$$\frac{7}{b+5} = \frac{10}{5}$$

Solve the proportion.

☐ a) -3☐ b) -1.5☐ c) 2.1☐ d) 9

7.

$$\frac{x+3}{4} = \frac{7}{8}$$

Solve for x

☐ a) 1/2☐ b) 25/8☐ c) 11☐ d) 53/4

8. $\frac{k+5}{10} = \frac{k-12}{9}$

Solve for k

☐ a) 165

☐ b) 17

☐ c) 1/17

☐ d) 1/165

9. $\frac{3}{x+2} = \frac{2}{x-8}$

☐ a) $x = 1/24$

☐ b) $x = 29$

☐ c) $x = 28$

☐ d) $x = 3/2$

10. $\frac{16}{36} = \frac{m}{9}$

Solve the proportion

☐ a) 144

☐ b) 4

☐ c) 6

☐ d) 9