

Name: \_\_\_\_\_

## Proportions

Tell whether the ratios form a proportion.

1)  $\frac{12}{30} \text{ ' } \frac{18}{45}$

2)  $\frac{42}{20} \text{ ' } \frac{63}{60}$

3)  $\frac{28}{8} \text{ ' } \frac{42}{6}$

4)  $\frac{45}{35} \text{ ' } \frac{9}{21}$

5)  $\frac{588}{105} \text{ ' } \frac{84}{20}$

6)  $\frac{75}{40} \text{ ' } \frac{15}{8}$

7)  $\frac{40}{210} \text{ ' } \frac{60}{630}$

8)  $\frac{70}{147} \text{ ' } \frac{50}{105}$

9)  $\frac{9}{32} \text{ ' } \frac{3}{8}$

10)  $\frac{5}{8} \text{ ' } \frac{10}{16}$

11)  $\frac{6}{9} \text{ ' } \frac{12}{16}$

12)  $\frac{40}{125} \text{ ' } \frac{8}{25}$

Solve the proportion.

13)  $\frac{1}{2} = \frac{x}{50}$

14)  $\frac{3}{4} = \frac{y}{24}$

15)  $\frac{a}{9} = \frac{21}{27}$

16)  $\frac{b}{5} = \frac{28}{35}$

Use equivalent ratios to solve the proportion.

17)  $\frac{5}{6} = \frac{x}{30}$

18)  $\frac{6}{7} = \frac{y}{49}$

19)  $\frac{a}{12} = \frac{33}{36}$

20)  $\frac{b}{14} = \frac{27}{42}$

21)  $\frac{14}{3} = \frac{a}{15}$

22)  $\frac{x}{5} = \frac{200}{25}$

23)  $\frac{11}{9} = \frac{y}{81}$

24)  $\frac{b}{15} = \frac{26}{30}$