

Are the ratios equal? Write = or \neq .

1) $\frac{2}{3} \text{ — } \frac{3}{4}$

2) $\frac{3}{5} \text{ — } \frac{15}{25}$

3) $\frac{15}{60} \text{ — } \frac{100}{400}$

4) $\frac{11}{22} \text{ — } \frac{10}{20}$

5) $\frac{11}{12} \text{ — } \frac{144}{121}$

6) $\frac{3}{7} \text{ — } \frac{6}{8}$

Solve the proportion.

7) $\frac{2}{6} = \frac{3}{n}$

8) $\frac{x}{4} = \frac{9}{12}$

9) $\frac{8}{6} = \frac{m}{120}$

10) $\frac{130}{12} = \frac{x}{30}$

11) $\frac{17}{20} = \frac{34}{n}$

12) $\frac{9}{4} = \frac{2.25}{p}$

13) $\frac{16}{b} = \frac{96}{72}$

14) $\frac{1.2}{3.6} = \frac{x}{6}$

15) $\frac{3}{1.9} = \frac{6}{n}$

Solve.

- 16) Sally mowed four lawns in three hours. At this rate how long would it take her to mow two lawns?
- 17) Ribbon costs \$3 for 15 in. How much would 3 ft of ribbon cost?
- 18) A microchip inspector found six defects in a batch containing 750 chips. How many defects should the inspector expect to find in a batch of 10,000 chips?
- 19) An office supply store charges \$5.25 for 25 color copies. At this rate how much would 150 copies cost?
- 20) The cost of three posters is \$9.60. Find the cost of 25 posters.

Answer Key

- 1) \neq
- 2) $=$
- 3) $=$
- 4) $=$
- 5) \neq
- 6) \neq
- 7) 9
- 8) 3
- 9) 160
- 10) 325
- 11) 40
- 12) 1
- 13) 12
- 14) 2
- 15) 3.8
- 16) 1.5 hours
- 17) \$7.20
- 18) 80
- 19) \$31.50
- 20) \$80