

Name \_\_\_\_\_

# Equivalent Ratio

Simplify to Verify Equivalent Ratios.

Are the ratios 12:16 and 3:4 equivalent? Simplify to verify.

$$\frac{\cancel{12}^3}{\cancel{16}^4} = \frac{3}{4} \quad \text{Yes, because 12:16 simplifies to 3:4.}$$

- 1) Are the ratios 15:25 and 3:5 equivalent? Yes
- 2) Are the ratios 20:30 and 2:7 equivalent? No
- 3) Are the ratios 18:24 and 4:5 equivalent? No
- 4) Are the ratios 21:28 and 3:4 equivalent? Yes
- 5) Are the ratios 20:30 and 2:3 equivalent? Yes
- 6) Are the ratios 25:35 and 5:8 equivalent? No
- 7) Are the ratios 40:50 and 4:5 equivalent? Yes
- 8) Are the ratios 27:36 and 3:4 equivalent? Yes
- 9) Are the ratios 14:21 and 2:3 equivalent? Yes
- 10) Are the ratios 22:33 and 2:4 equivalent? No
- 11) Are the ratios 32:48 and 4:6 equivalent? No
- 12) Are the ratios 50:75 and 2:3 equivalent? Yes
- 13) Are the ratios 45:60 and 3:5 equivalent? No
- 14) Are the ratios 30:45 and 2:3 equivalent? Yes
- 15) Are the ratios 42:56 and 3:4 equivalent? No