

## Multiplying/Dividing Algebraic Fractions

$$1. \frac{3}{5} \times \frac{x}{y}$$

$$2. \frac{x}{y} \times \frac{3}{5}$$

$$3. \frac{x}{y} \times \frac{3}{6}$$

$$4. \frac{x}{y} \times \frac{3}{6x}$$

$$5. \frac{x}{xy} \times \frac{3}{6}$$

$$6. \frac{7x}{xy} \times \frac{3}{6}$$

$$7. \frac{7x}{xy} \times \frac{3}{6y}$$

$$8. \frac{7x}{xy} \div \frac{3}{6y}$$

$$9. \frac{7x}{xy} \div \frac{6y}{3}$$

$$10. \frac{7x}{xy} \times \frac{6y}{3}$$

$$11. \frac{7x}{xy} \times \frac{6y}{3} \times \frac{4y}{14}$$

$$12. \frac{7x}{xy} \div \frac{6y}{3} \times \frac{4y}{14}$$

$$13. \frac{7x}{xy} \div \frac{6y}{3} \div \frac{4y}{14}$$

$$14. \frac{7x^2}{xy} \div \frac{6y}{3} \div \frac{4y}{14}$$

$$15. \frac{7x^2}{xy} \div \left( \frac{6y}{3} \div \frac{4y}{14} \right)$$

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## Multiplying/Dividing Algebraic Fractions: ANSWERS

1.  $\frac{3x}{5y}$

2.  $\frac{3x}{5y}$

3.  $\frac{x}{2y}$

4.  $\frac{1}{2y}$

5.  $\frac{1}{2y}$

6.  $\frac{7}{2y}$

7.  $\frac{7}{2y^2}$

8. 14

9.  $\frac{7}{2y^2}$

10. 14

11.  $4y$

12.  $\frac{1}{y}$

13.  $\frac{49}{4y^3}$

14.  $\frac{49x}{4y^3}$

15.  $\frac{x}{y}$

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15.  $\frac{x}{y}$

