

Fractions with Variables & Exponents- Multiplication

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To multiply fractions you need:

- All fractions
 - Reduce if possible
 - Multiply straight across
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$$1) \frac{7x^2}{15} \cdot \frac{5}{14x}$$

$$3) \frac{11}{12y^2} \cdot \frac{21x}{44} \cdot \frac{4y}{7x}$$

$$2) \frac{a^3}{b} \cdot \frac{b^2}{a}$$

$$4) \frac{x}{y^3} \cdot \frac{y}{x^2}$$

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$$5) \frac{xy^2}{z^3} \cdot \frac{z^2}{x^3y}$$

$$7) 18a^2 \cdot \frac{3}{10a^2}$$

$$6) \frac{2x^3}{5y} \cdot \frac{20y^2}{18x}$$

$$8) \frac{4}{5r^3} \cdot 50r$$