



Fraction Manipulation Algebra - All



1 Solve the fraction for 'x' in terms of the variables and reduce.

$$2a = \frac{3x}{2b}$$

| | | |
|---------------------------------|-------------------------|--------------------------|
| A $x = \frac{4a \cdot b}{3}$ | B $x = \frac{b}{3a}$ | C $x = \frac{b}{12a}$ |
| D $x = \frac{a}{3b}$ | | |

2 Solve the fraction for 'x' in terms of the variables and reduce.

$$4a = \frac{4x}{3b}$$

| | |
|--------------------------|--------------------------------|
| A $x = \frac{b}{a}$ | B $x = \frac{3a}{16b}$ |
| C $x = 3a \cdot b$ | D $x = \frac{a \cdot b}{3}$ |
| E $x = \frac{b}{48a}$ | |

3 Solve the fraction for 'x' in terms of the variables and reduce.

$$3a = \frac{3x}{3b}$$

| | |
|--------------------------------|------------------------|
| A $x = \frac{a}{3b}$ | B $x = 3a \cdot b$ |
| C $x = \frac{b}{27a}$ | D $x = \frac{b}{a}$ |
| E $x = \frac{a \cdot b}{3}$ | |

4 Solve the fraction for 'x' in terms of the variables and reduce.

$$3a = \frac{3x}{4b}$$

| | |
|--------------------------|-------------------------|
| A $x = 4a \cdot b$ | B $x = \frac{a}{4b}$ |
| C $x = \frac{4a}{9b}$ | D $x = \frac{b}{4a}$ |

5 Solve the fraction for 'x' in terms of the variables and reduce.

$$3a = \frac{2x}{4c}$$

| | |
|--------------------------|------------------------|
| A $x = \frac{3a}{8c}$ | B $x = 6a \cdot c$ |
| C $x = \frac{c}{24a}$ | D $x = \frac{c}{a}$ |

6 Solve the fraction for 'x' in terms of the variables and reduce.

$$3a = \frac{2x}{2b}$$

| | |
|-------------------------|--------------------------|
| A $x = 3a \cdot b$ | B $x = \frac{3a}{4b}$ |
| C $x = \frac{a}{3b}$ | D $x = \frac{b}{3a}$ |

7 Solve the fraction for 'x' in terms of the variables and reduce.

$$4a = \frac{4x}{2b}$$

| | |
|--------------------------------|-------------------------|
| A $x = \frac{a \cdot b}{2}$ | B $x = \frac{a}{8b}$ |
| C $x = \frac{b}{2a}$ | D $x = 2a \cdot b$ |

8 Solve the fraction for 'x' in terms of the variables and reduce.

$$3a = \frac{2x}{2c}$$

| | |
|---------------------------------|-------------------------|
| A $x = \frac{3a \cdot c}{4}$ | B $x = \frac{a}{3c}$ |
| C $x = 3a \cdot c$ | D $x = \frac{c}{a}$ |