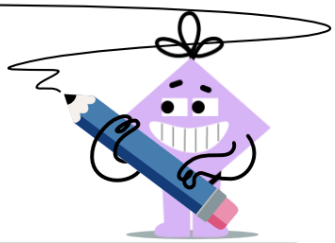
Name

Fraction Manipulation Algebra - Orientation 2



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

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

A $x = \frac{c}{a}$

B $x = 2a \cdot c$

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

D $x = \frac{4a \cdot c}{2}$

E $x = \frac{c}{8a}$

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

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

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

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

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

D $x = 16a \cdot b$

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

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

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

B $x = \frac{b}{8a}$

C $x = \frac{a}{8b}$

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

E $x = 2a \cdot b$

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

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

A $x = a \cdot b$

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

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

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

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

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

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

B $x = 12a \cdot b$

C $x = \frac{b}{12a}$

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

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

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

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

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

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

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

D $x = \frac{b}{6a}$

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

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

A $x = a \cdot b$

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

C $x = \frac{2a \cdot b}{2}$

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

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

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

A $x = \frac{a \cdot c}{4}$

B $x = \frac{c}{a}$

C $x = a \cdot c$

D $x = \frac{c}{4a}$