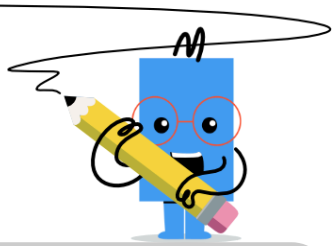
Name

Fraction Manipulation Algebra - Orientation 3



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

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

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

B $x = \frac{2b}{8a}$

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

D $x = \frac{2a}{8b}$

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

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

A $x = \frac{3a}{6c}$

B $x = \frac{3c}{6a}$

C $x = \frac{2c}{9a}$

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

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

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

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

A $x = \frac{8a \cdot b}{4}$

B $x = \frac{4a \cdot b}{8}$

C $x = \frac{b}{32a}$

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

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

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

A $x = \frac{4a}{12b}$

B $x = \frac{4a \cdot b}{12}$

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

D $x = \frac{3b}{16a}$

E $x = \frac{b}{48a}$

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

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

A $x = \frac{4b}{12a}$

B $x = \frac{4a}{12b}$

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

D $x = \frac{3a \cdot b}{16}$

E $x = \frac{3b}{16a}$

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

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

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

B $x = \frac{3b}{6a}$

C $x = \frac{6a \cdot b}{3}$

D $x = \frac{3a}{6b}$

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

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

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

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

C $x = \frac{2b}{6a}$

D $x = \frac{6a \cdot b}{2}$

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

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

A $x = \frac{b}{24a}$

B $x = \frac{3a}{8b}$

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

D $x = \frac{4b}{6a}$