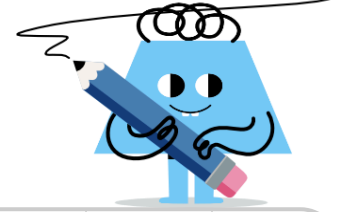# mobius

Fraction Manipulation Algebra - All

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

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

A. $x = \frac{2a \cdot c}{4}$
B. $x = \frac{2a}{4c}$
C. $x = \frac{c}{2a}$
D. $x = \frac{c}{a}$

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

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

A. $x = \frac{4a \cdot b}{2}$
B. $x = \frac{2b}{4a}$
C. $x = \frac{b}{2a}$
D. $x = \frac{2a}{4b}$

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

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

A. $x = \frac{3a}{6b}$
B. $x = \frac{9a \cdot b}{2}$
C. $x = \frac{b}{2a}$
D. $x = \frac{b}{a}$

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

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

A. $x = \frac{b}{a}$
B. $x = \frac{2b}{8a}$
C. $x = \frac{b}{16a}$
D. $x = \frac{b}{4a}$

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

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

A. $x = \frac{b}{8a}$
B. $x = \frac{2a}{16b}$
C. $x = \frac{4a}{8b}$
D. $x = \frac{8a \cdot b}{4}$
E. $x = \frac{4b}{8a}$

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

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

A. $x = \frac{12a \cdot b}{4}$
B. $x = \frac{4b}{12a}$
C. $x = \frac{b}{3a}$
D. $x = \frac{b}{48a}$

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

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

A. $x = \frac{b}{a}$
B. $x = \frac{4a}{6b}$
C. $x = \frac{3b}{8a}$
D. $x = \frac{3a}{8b}$

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

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

A. $x = \frac{b}{16a}$
B. $x = \frac{4b}{4a}$
C. $x = \frac{b}{a}$