

## mobius

## Fraction Manipulation Algebra -**Orientation 3**



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

$$x = \frac{4b}{4a}x = \frac{2b}{8a}x = \frac{b}{4a}$$
 Solve the fraction for  $x$  in terms of the variables and reduce.  $x = \frac{3a}{6c}x = \frac{3c}{6a}x = \frac{2c}{9a}$ 

$$x=rac{3a}{6c}igg|^{\mathrm{B}}x=rac{3c}{6a}igg|^{\mathrm{C}}x=rac{2c}{9a}$$

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

$$4a=rac{2b}{2x}$$

$$2a=rac{3c}{3x}\Big|_{x=rac{c}{a}x=rac{c}{2a}}^{rac{C}{D}}$$

$$\overline{oldsymbol{3x}}igg|^{\mathtt{D}}x=rac{c}{a}igg|^{\mathtt{E}}x=rac{c}{2a}$$

$$x=rac{8a\cdot b}{4}x=rac{4a\cdot b}{8}x=rac{b}{32a}$$

$$\left|x=rac{4a}{12b}x=rac{4a\cdot b}{12}x=rac{b}{a}
ight|$$

$$4a = \frac{20}{4x}$$

$$x=rac{b}{8a}$$

$$4a = \frac{30}{4}$$

$$\mathbf{4}a=rac{\mathbf{3}b}{\mathbf{4}oldsymbol{x}}^{ extstyle eta}_{x=rac{\mathbf{3}b}{\mathbf{16}a}x=rac{b}{48a}}^{ extstyle eta}$$

$$x=rac{4b}{12a}x=rac{4a}{12b}x=rac{b}{3a}$$

Solve the fraction for 'x' in terms of the variables

in terms of the variables and reduce. 
$$x=rac{b}{2a}x=rac{3b}{6a}x=rac{6a\cdot b}{3}$$

$$3a=rac{4b}{4x}^{rac{12a}{2a}} = rac{12b}{12a}$$

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

$$2a=rac{3b}{3x}$$

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

$$x = \frac{3a}{4b}x = \frac{3b}{4a}x = \frac{2b}{6a}$$

$$x = \frac{b}{24a}x = \frac{3a}{8b}x = \frac{2b}{3a}$$

$$2a=rac{3b}{2x}^{rac{1}{2}}$$

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

$$3a=rac{4b}{2x}^{rac{24a}{D}}$$

$$=$$
  $\frac{4b}{2x}$   $\begin{vmatrix} x = \frac{4b}{6a} \end{vmatrix}$