



Math worksheet on 'Fraction Manipulation Algebra - All (Level 4)'. Part of a broader unit on 'Algebra Manipulating Variables - Advanced'

Learn online:

app.mobius.academy/math/units/algebra_manipulating_variables_advanced/

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

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

a	$\frac{a \cdot c}{2}$	b	$\frac{a}{2c}$	c	$\frac{c}{2a}$
d	$\frac{c}{a}$				

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

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

a	$\frac{b}{a}$	b	$\frac{b}{12a}$	c	$\frac{3a}{4b}$
d	$\frac{b}{3a}$	e	$\frac{2b}{6a}$		

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

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

a	$\frac{b}{4a}$	b	$\frac{b}{a}$	c	$\frac{a \cdot b}{4}$

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

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

a	$\frac{c}{3a}$	b	$\frac{a}{3c}$	c	$\frac{a \cdot c}{3}$

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

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

a	$\frac{b}{a}$	b	$\frac{3a}{6b}$	c	$\frac{2a}{9b}$
d	$\frac{2b}{9a}$	e	$\frac{b}{18a}$		

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

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

a	$\frac{2a \cdot c}{9}$	b	$\frac{c}{2a}$	c	$\frac{c}{a}$
d	$\frac{6a \cdot c}{3}$				

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

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

a	$\frac{a \cdot b}{8}$	b	$\frac{b}{8a}$	c	$\frac{b}{2a}$
d	$\frac{b}{a}$	e	$\frac{2a}{4b}$		