



Math worksheet on 'Fraction Manipulation Algebra - Orientation 3 (Level 2)'. Part of a broader unit on 'Algebra Basic Concepts - Practice'

Learn online: app.mobius.academy/math/units/algebra_basic_concepts_practice/

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$3a = \frac{d}{?}$$

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

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

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

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