



Math worksheet on 'Fraction Manipulation Algebra - Orientation 2 (Level 3)'. Part of a broader unit on 'Algebra Manipulating Variables - Advanced'

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

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

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

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

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

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

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

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

a	$\frac{4a}{3b}$	b	$\frac{b}{a}$	c	$12a \cdot b$

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

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

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

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

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

a	$\frac{b}{12a}$	b	$\frac{4a \cdot b}{3}$	c	$\frac{a}{12b}$

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

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

a	$\frac{3b}{4a}$	b	$\frac{b}{12a}$	c	$\frac{3a \cdot b}{4}$

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

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

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