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

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

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

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

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

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

a) $\frac{b}{a}$ b) $\frac{3b}{4a}$ c) $\frac{4b}{3a}$ d) $\frac{3a}{4b}$

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

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

a) $\frac{b}{16a}$ b) $\frac{4a}{4b}$ c) $\frac{4a \cdot b}{4}$ d) $\frac{b}{a}$ e) $16a \cdot b$

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

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

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

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

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

a) $\frac{b}{a}$ b) $\frac{4b}{4a}$ c) $\frac{a}{16b}$ d) $\frac{4a \cdot b}{4}$

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

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

a) $\frac{4a}{2c}$ b) $\frac{c}{a}$ c) $\frac{2c}{4a}$ d) $\frac{2c}{a}$

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

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

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