



Math worksheet on 'Algebraic Functions - Variable Substitution to Equation - Multiple Fractional Terms (Level 1)'. Part of a broader unit on 'Algebra Basic Concepts - Practice'

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1 What does this equation become when $r=4, c=3, y=2$

$$\frac{6r}{2c} + 3y$$

a $\frac{6 \cdot 4 + 3 \cdot 2}{2 \cdot 3}$	b $\frac{6 + 4}{2 + 3 + 3 + 2}$
c $\frac{6 \cdot 4}{2 \cdot 3 - 3 \cdot 2}$	d $\frac{6 \cdot 4}{2 \cdot 3} + 3 \cdot 2$
e $\frac{6 \cdot 4}{2 + 3 + 3 + 2}$	

2 What does this equation become when $y=5, p=2, c=3$

$$\frac{4y}{2p} + 2c$$

a $\frac{4 \cdot 5}{2 + 2 + 2 + 3}$	b $\frac{4 \cdot 5 + 2 \cdot 3}{2 \cdot 2}$
c $\frac{4 \cdot 5}{2 \cdot 2} + 2 \cdot 3$	d $\frac{4 \cdot 5}{2 \cdot 2 - 2 \cdot 3}$
e $\frac{4 + 5}{2 + 2 + 2 + 3}$	

3 What does this equation become when $p=4, m=3, x=5$

$$\frac{6p}{2m} + 6x$$

a $\frac{6 \cdot 4}{2 \cdot 3} + 6 \cdot 5$	b $\frac{6 \cdot 4 + 6 \cdot 5}{2 \cdot 3}$
c $\frac{6 + 4}{2 + 3 + 6 + 5}$	d $\frac{6 \cdot 4}{2 \cdot 3 - 6 \cdot 5}$
e $\frac{6 \cdot 4}{2 + 3 + 6 + 5}$	

4 What does this equation become when $r=5, x=3, p=2$

$$\frac{6r}{2x} + 6p$$

a $\frac{6 + 5}{2 + 3 + 6 + 2}$	b $\frac{6 \cdot 5}{2 + 3 + 6 + 2}$
c $\frac{6 \cdot 5}{2 \cdot 3} + 6 \cdot 2$	d $\frac{6 \cdot 5}{2 \cdot 3 - 6 \cdot 2}$
e $\frac{6 \cdot 5 + 6 \cdot 2}{2 \cdot 3}$	

5 What does this equation become when $x=4, n=2, m=3$

$$\frac{5x}{2n} + 4m$$

a $\frac{5 \cdot 4}{2 + 2 + 4 + 3}$	b $\frac{5 + 4}{2 + 2 + 4 + 3}$
c $\frac{5 \cdot 4}{2 \cdot 2} + 4 \cdot 3$	d $\frac{5 \cdot 4 + 4 \cdot 3}{2 \cdot 2}$
e $\frac{5 \cdot 4}{2 \cdot 2 - 4 \cdot 3}$	

6 What does this equation become when $z=4, c=3, y=2$

$$\frac{6z}{4c} + 5y$$

a $\frac{6 \cdot 4 + 5 \cdot 2}{4 \cdot 3}$	b $\frac{6 \cdot 4}{4 \cdot 3} + 5 \cdot 2$
c $\frac{6 + 4}{4 + 3 + 5 + 2}$	d $\frac{6 \cdot 4}{4 \cdot 3 - 5 \cdot 2}$
e $\frac{6 \cdot 4}{4 + 3 + 5 + 2}$	

7 What does this equation become when $z=2, r=4, b=3$

$$\frac{6z}{3r} + 3b$$

a $\frac{6 \cdot 2}{3 + 4 + 3 + 3}$	b $\frac{6 \cdot 2 + 3 \cdot 3}{3 \cdot 4}$
c $\frac{6 \cdot 2}{3 \cdot 4} + 3 \cdot 3$	d $\frac{6 \cdot 2}{3 \cdot 4 - 3 \cdot 3}$
e $\frac{6 + 2}{3 + 4 + 3 + 3}$	