



Math worksheet on 'Algebraic Functions - Variable Substitution to Equation - Fractional Terms (Level 2)'. Part of a broader unit on 'Negative Integers - Practice'

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1 What does this equation become when $p=4, c=3, n=2$

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

2 What does this equation become when $d=3, r=4, y=5$

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

3 What does this equation become when $x=2, y=5, b=4$

$\frac{6x + 2b}{2y}$	a $\frac{6^2 + 2^4}{2^5}$	b $6^2 + 2^5$
	c $\frac{6 - 2 - 2 - 4}{2 - 5}$	d $\frac{6 + 2 + 2 + 4}{2 + 5}$
	e $\frac{6 \cdot 2 + 2 \cdot 4}{2 \cdot 5}$	f $6 - 2 + 2 - 5$

4 What does this equation become when $z=5, m=4, b=2$

$\frac{2z + 5b}{5m}$	a $\frac{2 \cdot 5 + 5 \cdot 2}{5 \cdot 4}$	b $2^5 + 5^4$
	c $\frac{2 - 5 - 5 - 2}{5 - 4}$	d $\frac{2^5 + 5^2}{5^4}$
	e $\frac{2 + 5 + 5 + 2}{5 + 4}$	f $2 - 5 + 5 - 4$

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

$\frac{5n + 6b}{5m}$	a $\frac{5 \cdot 4 + 6 \cdot 5}{5 \cdot 2}$	b $\frac{5 + 4 + 6 + 5}{5 + 2}$
	c $5^4 + 5^2$	d $5 - 4 + 5 - 2$
	e $\frac{5^4 + 6^5}{5^2}$	f $\frac{5 - 4 - 6 - 5}{5 - 2}$

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

$\frac{2c + 2y}{2r}$	a $2^3 + 2^2$	b $\frac{2 - 3 - 2 - 5}{2 - 2}$
	c $\frac{2^3 + 2^5}{2^2}$	d $\frac{2 \cdot 3 + 2 \cdot 5}{2 \cdot 2}$
	e $\frac{2 + 3 + 2 + 5}{2 + 2}$	f $2 - 3 + 2 - 2$

7 What does this equation become when $n=5, z=4, y=3$

$\frac{2n + 2y}{4z}$	a $\frac{2 \cdot 5 + 2 \cdot 3}{4 \cdot 4}$	b $2^5 + 4^4$
	c $\frac{2^5 + 2^3}{4^4}$	d $\frac{2 - 5 - 2 - 3}{4 - 4}$
	e $2 - 5 + 4 - 4$	f $\frac{2 + 5 + 2 + 3}{4 + 4}$