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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 m=2, d=4, p=5

$$\frac{3m+2p}{2d}$$

a $\frac{3+2+2+5}{2+4}$ **b** $\frac{3-2-2-5}{2-4}$

c $\frac{3\cdot 2+2\cdot 5}{2\cdot 4}$ **d** $3-2+2-4$

e $\frac{3^2+2^5}{2^4}$ **f** 3^2+2^4

2 What does this equation become when x=4, y=3, r=2

$$\frac{4x+4r}{2y}$$

a 4^4+2^3 **b** $\frac{4-4-4-2}{2-3}$

c $\frac{4+4+4+2}{2+3}$ **d** $4-4+2-3$

e $\frac{4\cdot 4+4\cdot 2}{2\cdot 3}$ **f** $\frac{4^4+4^2}{2^3}$

3 What does this equation become when c=3, b=2, x=5

$$\frac{5c+5x}{4b}$$

a $\frac{5\cdot 3+5\cdot 5}{4\cdot 2}$ **b** $\frac{5+3+5+5}{4+2}$

c $5-3+4-2$ **d** $\frac{5^3+5^5}{4^2}$

e $\frac{5-3-5-5}{4-2}$ **f** 5^3+4^2

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

$$\frac{6x+2b}{2y}$$

a 6^2+2^5 **b** $6-2+2-5$

c $\frac{6\cdot 2+2\cdot 4}{2\cdot 5}$ **d** $\frac{6-2-2-4}{2-5}$

e $\frac{6^2+2^4}{2^5}$ **f** $\frac{6+2+2+4}{2+5}$

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** $\frac{5-4-6-5}{5-2}$

e $5-4+5-2$ **f** $\frac{5^4+6^5}{5^2}$

6 What does this equation become when c=2, x=4, y=5

$$\frac{2c+4y}{6x}$$

a $\frac{2\cdot 2+4\cdot 5}{6\cdot 4}$ **b** $2-2+6-4$

c $\frac{2^2+4^5}{6^4}$ **d** $\frac{2-2-4-5}{6-4}$

e $\frac{2+2+4+5}{6+4}$ **f** 2^2+6^4

7 What does this equation become when r=4, n=2, x=5

$$\frac{2r+4x}{2n}$$

a $\frac{2\cdot 4+4\cdot 5}{2\cdot 2}$ **b** $\frac{2+4+4+5}{2+2}$

c $\frac{2^4+4^5}{2^2}$ **d** 2^4+2^2

e $2-4+2-2$ **f** $\frac{2-4-4-5}{2-2}$