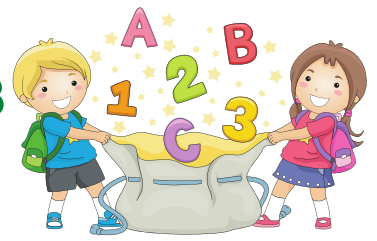




SUBSTITUTION - VERSION B



Name: _____ Class: _____

Find the value of the below expressions if $p = 3, q = 12$ and $r = 4$

$$1. \frac{2pq}{4p} - \frac{3qr}{6r}$$

$$\frac{2 \times 3 \times 12}{4 \times 3}$$

$$6 - 6 = 0$$

$$2. p * q \div r * p$$

$$= 3 \times 12 \div 4 * 3$$

$$= 36 \div 4 * 3$$

$$= 9 * 3$$

$$= 27$$

$$3. (p^3 + q^2) \div p^2 - r$$

$$= (3^3 + 12^2) \div 3^2 - 4$$

$$= (27 + 144) \div 9 - 4$$

$$= 171 \div 9 - 4$$

$$= 19 - 4$$

$$= 15$$

Find the value of the below expressions if $x = 8$

$$1. x * (20 - 3x)$$

$$= 8 * (20 - 3 \times 8)$$

$$= 8 * (20 - 24)$$

$$= 8 * (-4)$$

$$= -32$$

$$2. (10 - x) + x^2$$

$$= (10 - 8) + 8^2$$

$$= 2 + 64$$

$$= 66$$

$$3. (5x + 10) - 20$$

$$= (5 \times 8 + 10) - 20$$

$$= (40 + 10) - 20$$

$$= 50 - 20$$

$$= 30$$

Find the value of the below expressions if $a = 6$ and $b = 12$

$$1. b \div a * 2$$

$$= 12 \div 6 * 2$$

$$= 2 * 2$$

$$= 4$$

$$2. 6a - (3b - 12)$$

$$= 6 \times 6 - (3 \times 12 - 12)$$

$$= 36 - (36 - 12)$$

$$= 36 - 24$$

$$= 12$$

$$3. b - a + a$$

$$= 12 - 6 + 6$$

$$= 6 + 6$$

$$= 12$$

Find the value of the below expressions if $l = 24, m = 12$ and $n = 3$

$$1. (l - n) - (m - n)$$

$$= (24 - 3) - (12 - 3)$$

$$= 21 - 9$$

$$= 12$$

$$2. m + l \div 6 - n$$

$$= 12 + 24 \div 6 - 3$$

$$= 12 + 4 - 3$$

$$= 16 - 3$$

$$= 13$$

$$3. (8n - l) + 4m$$

$$= (8 \times 3 - 24) + 4 \times 12$$

$$= (24 - 24) + 48$$

$$= 0 + 48$$

$$= 48$$

$$4. l - n + \frac{7}{3}$$

$$= 24 - 3 + \frac{7}{3}$$

$$= 24 - 27 + \frac{7}{3}$$

$$= -3 + \frac{7}{3}$$

$$= -\frac{2}{3}$$

