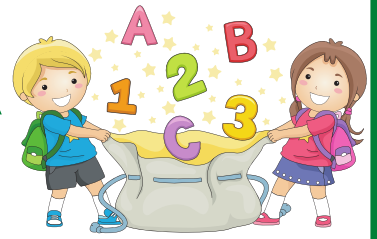


SUBSTITUTION - VERSION A



Name: _____ Class: _____

Order Of Operations

1. Parenthesis Or Brackets () or [] Exponents
2. Exponents $3^2 = 3 \times 3$
3. Multiplication And Division $\times \div$
4. Addition And Subtraction $+ -$

Find the value of the below expressions if $d = 10$

1. $(3d - 15) + 12$ $= (3 \times 10 - 15) + 12$ $= (30 - 15) + 12$ $= 15 + 12 = 13$	2. $d * (60 - 2d)$ $= 10 * (60 - 2 \times 10)$ $= 10 * (60 - 20)$ $= 10 * 40$ $= 400$	3. $(d + 16) - (12 - d)$ $= (10 + 16) - (12 - 10)$ $= 26 - 2$ $= 24$
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Find the value of the below expressions if $x = 12$ and $y = 2$

1. $y^3 + (20 - x)$ $= 2 + (20 - 12)$ $= 2 \times 2 \times 2 + (8)$ $= 8 + 8$ $= 16$	2. $(10 + 3y) - x$ $= (10 + 3 \times 2) - 12$ $= (10 + 6) - 12$ $= 16 - 12$ $= 4$	3. $x - y + y$ $= 12 + 2 - 2$ $= 14 - 2$ $= 12$
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Find the value of the below expressions if $l = 10$, $m = 5$ and $n = 20$

1. $\frac{mn}{1} + 3m$ $= \frac{5 \times 20}{10} + 3 \times 5$ $= \frac{100}{10} + 15$ $= 10 + 15 = 25$	2. $(2n - 23) + m^3$ $= (2 \times 20 - 23) + 5^3$ $= (40 - 23) + 5 \times 5 \times 5$ $= 17 + 125$ $= 142$	3. $n + l \div 5 - 3$ $= 5 + 10 \div 5 - 3$ $= 5 + 2 - 3$ $= 4$
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4. $l^2 + m^2 - 15$
 $= 10^2 + 5^2 - 15$
 $= 100 + 25 - 15$
 $= 110$