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Warm-up

Write down the order of operations.

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Warm-up

Evaluate each expression.

1. $2t + 3$ for $t = 6$

$$\begin{array}{r} 2(6) + 3 \\ \underbrace{ + 3}_{12} \\ 12 + 3 \\ \underbrace{ + 3}_{15} \\ 15 \end{array}$$

2. $3(x - 1) + y$ for $x = 4$ and $y = 5$

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Evaluate the expression.

1. $x+4$ for $x=11$

$11+4=15$

2. $2a+7$ for $a=7$

$2a$ means $2(a)$
2 times a

$$2(7)+7$$

$$14+7$$

$$21$$

3. $2(4+n)-5$ for $n=0$

$2(4+0)-5$

$$2(4)-5$$

$$8-5$$

$$3$$

4. $3x+2y$ for $x=8$ & $y=10$

$$3(8)+2(10)$$

$$24+20$$

$$44$$

5. $1.6p-3q$ for $p=4.5$ & $q=1.4$

$1.6(4.5)-3(1.4)$

$$7.2-3(1.4)$$

$$7.2-4.2$$

$$3$$

Steps

1. Replace variable with its value
(letter) (number)2. Use order of operations to
simplify.

PEMDAS

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