



Use order of operations in algebraic expressions

1

When you have an equation with multiple operations, how do you calculate it?

$$(5 - 6) \div 3 = ?$$

A Left to Right

B Highest Priority Operations First

C Right to Left

D Smallest Numbers First

E Largest Numbers First

2

Divide or Multiply

A Multiply

B Divide

C Left-To-Right

3

What do the rules for Order of Operations tell us about how to solve this equation?

$$8 + (6 - 5) = ?$$

A Brackets are highest priority, calculate inside them first.

B All operations are the same priority, calculate left to right.

C Addition is highest priority

D Subtraction is highest priority

4

Multiply or Brackets

A Left-To-Right

B Brackets

C Multiply

5

Which operation should be done first in this equation?

$$5 - 2 \times 7^3 = ?$$

A 2×7 B 7^3 C $5 - 2$ **6**

Figure out the answer by using the correct order of operations

$$4 + 35 \div 7 + 2 = ?$$

A 1

B 2

C 3

D 10

E 11

F 13

7

Figure out the answer by using the correct order of operations

$$(35 - 3) \div 4 - 2 = ?$$

A 32

B 3

C 14

D 0

E 4

F 6

8

Figure out the answer by using the correct order of operations

$$65 - 4 + 7^2 - 3 = ?$$

A 23

B 101

C 97

D 99

E 109

F 107



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Figure out the answer by using the correct order of operations

$$3 \times 2 + 4^2 \times 5 = ?$$

A 85	B 82	C 95
D 30	E 86	F 90

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Figure out the answer by using the correct order of operations

$$27 \div 3 + 10^2 \div 5 + 4 = ?$$

A 39	B 1	C 0
D 33	E 30	F 31

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What does this equation become when $d=2$, $x=3$

$$6(3d - 3x)$$

A $6 \times (3 \times 2 - 3 \times 3)$
B $2^3 + 3^3$

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What is the value of this equation when $r=-7$, $b=5$, $m=4$

$$3\left(\frac{4r + 2m}{4b}\right)$$

A -3	B $-4r$
C 1	D $r^4 + -3$
E 216	F -5

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What is the value of this equation when $m=8$, $b=2$, $d=7$

$$\frac{3m^2}{2b^2} + 3d^2$$

A $m^3 + 171$	B $171m$
C -200	D 1
E 196	F 171

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What is the value of this equation when $p=2$, $y=3$, $n=4$

$$\left(\frac{2p + 2n}{4y}\right)^2$$

A 44	B -44
C 20	D -4
E 1	F -4

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What is the value of this equation when $n=7$, $p=-7$, $x=-4$

$$\frac{6n}{3p} + 4x$$

A -18	B $-18n$
C $-5n$	D -441
E -2	F $n^6 + -18$

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What is the value of this equation when $d=-4$, $p=-6$

$$-3(6d + 2p)$$

A $d^6 + 108$	B $108d$
C 576	D 84
E $-108d$	F 108