



BODMAS: Order of Operations

Order of Operations

BODMAS is used to help you remember the order of operations for solving problems. The order is shown below:

B	B Brackets
O	O Order (powers, square roots)
D M	D ivision and M ultiplication (read from left to right)
A S	A ddition and S ubtraction (read from left to right)

EXAMPLE: Evaluate $(6 - 2 \times 2 + 2) \times 4 - 2$

$$(6 - 2 \times 2 + 2) \times 4 - 2 \quad \text{Focus on the brackets first}$$

$$(6 - 2 \times 2 + 2) \times 4 - 2 \quad \text{Multiplication next}$$
$$(6 - 4 + 2) \times 4 - 2$$

$$(6 - 4 + 2) \times 4 - 2 \quad \text{Addition and Subtraction}$$
$$(4) \times 4 - 2$$

$$4 \times 4 - 2 \quad \text{Multiplication again}$$
$$16 - 2$$

$$16 - 2 \quad \text{Subtraction again}$$
$$14 \quad \text{Final answer}$$

Instructions: Evaluate the expressions below.

1

$$103 - 2 \times (40 - 12 \div 4)$$



2

$$(5 \times 10 + 24 \div 3) \div 2$$

3

$$18 \div 3 \times 9 - 44 \div 4$$

4

$$48 \div (15 \times 2 - 18 \div 3)$$

5

$$(96 - 12) \div 7 + 14 \times 2$$

6

$$(132 \div 11 + 3^2) \div 3 + 8$$

7

$$6^2 \times 2 - (4^2 \times 2) + 11$$

8

$$(10^2 \times 2) - 5^2 \times 3 - 26$$



9

$$44 + 18 - (14 - 8)^2 \div 4$$

10

$$23 - 3^2 + 4 \times 3 - 15$$

11

$$(39 - 11) \div 7 + (4 + 2)^2$$

12

$$12^2 - 8 \times 6 + 5^2 \times 2$$

13

$$(9 \times 3^2 - 11) \div (9 \times 12 - 98)$$

14

$$(140 \div (4^2 - 3^2) \times 8) - 152$$

15

$$(6 + 13 \times 3) \div 3^2 + 17 \times 2$$



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$$(6 - 2 \times 2 + 2) \times 4 - 2 \quad \text{Multiplication next}$$
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$$(4) \times 4 - 2$$

$$4 \times 4 - 2 \quad \text{Multiplication again}$$
$$16 - 2$$

$$16 - 2 \quad \text{Subtraction again}$$
$$14 \quad \text{Final answer}$$

Instructions: Evaluate the expressions below.

1

$$(47 - 12) \div 5 \times 8 - 18$$



2

$$(15 \times 3 + 12 \div 4) \div 6$$

3

$$63 \div 7 + 35 - 24 \div 4$$

4

$$(66 - 18) \div (4^2 - 4) + 88$$

5

$$(108 \div (5^2 - 4^2) \times 6) - 32$$

6

$$18 \times 2 + 3^2 \times 4 - 15$$

7

$$6 \times 5^2 - 7 - 2^2 \times 5^2$$

8

$$(61 - 12) \div 7 + (4 + 2)^2$$



9

$$54 \div 3^2 \times (12 \div 6)^2 - 9$$

10

$$(88 \div 4 + 18) \div 2^2 - 9$$

11

$$7 \times 12 - (7 - 3)^2 \div 4$$

12

$$(52 + 12) \div (4 \times 2) + 6^2$$

13

$$90 + (7^2 - 19) \div 2 - 16$$

14

$$144 \div (8^2 - 7^2 - 3) + 94$$

15

$$12^2 + 11^2 - 8 \times 5^2 - (9 - 3)^2$$