ORDER OF OPERATIONS

Example: $-5^2 - 4 \times (6 \div (-7 + 8))$

$= -5^2 - 4 \times (6 \div 1)$

$= -5^2 - 4 \times 6$

$= -25 - 4 \times 6$

$= -25 - 24$

$= \mathbf{\color{red}{-49}}$

Solve each expression.

1) $(2^2 \times (15 - 18)) \div 3 + (-4)^2$

_____

2) $(-4 \times (10 + (-7)))^2 \div 2 - 3^2$

_____

3) $(-7 + 9 - 7) \times (9 \div (-9))$

_____

4) $((8 - (-7)) \div (-5) + 10) \times 4$

_____

5) $((-7)^2 \div 7) + (-13 - (-4))$

_____

6) $(-3)^3 \times 3 - ((-8 \div 2) + 5)$

_____

7) $(45 \div (-5) - (-11)) \times 13$

_____

8) $((-4) \times (-6) + 9) \div (-3)$

_____

ORDER OF OPERATIONS

Answer key

Example: $-5^2 - 4 \times (6 \div (-7 + 8))$

$= -5^2 - 4 \times (6 \div 1)$

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Solve each expression.

1) $(2^2 \times (15 - 18)) \div 3 + (-4)^2$

12

2) $(-4 \times (10 + (-7)))^2 \div 2 - 3^2$

63

3) $(-7 + 9 - 7) \times (9 \div (-9))$

5

4) $((8 - (-7)) \div (-5) + 10) \times 4$

28

5) $((-7)^2 \div 7) + (-13 - (-4))$

−2

6) $(-3)^3 \times 3 - ((-8 \div 2) + 5)$

−82

7) $(45 \div (-5) - (-11)) \times 13$

26

8) $((-4) \times (-6) + 9) \div (-3)$

−11