ORDER OF OPERATIONS

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

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

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

$= -25 - 4 \times 6$

$= -25 - 24$

$= \mathbf{-49}$

Solve each expression.

1) $(-2 \times (5 \div 5)) + 50$

2) $(-24) \div (-2)^2 \times (18 + (-3)^3)$

_____

_____

3) $(9^2 \times (15 - 14)) \div 3 + (-6)^2$

4) $-94 + (19 \times (-13 + 17)) - (-2)$

_____

_____

5) $(-11 \times (7 - 5)) - (-5)$

6) $(35 \div 7 - (-8 - (-9)))^3$

_____

_____

7) $-6^3 \div (((19 + (-15)) \times 8) + 4)$

8) $(-6) \times (-2) + (21 \div 3 - (-20))$

_____

_____

Answer key

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

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

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

$= -25 - 4 \times 6$

$= -25 - 24$

$= \mathbf{-49}$

Solve each expression.

1) $(-2 \times (5 \div 5)) + 50$

48

2) $(-24) \div (-2)^2 \times (18 + (-3)^3)$

54

3) $(9^2 \times (15 - 14)) \div 3 + (-6)^2$

63

4) $-94 + (19 \times (-13 + 17)) - (-2)$

−16

5) $(-11 \times (7 - 5)) - (-5)$

−17

6) $(35 \div 7 - (-8 - (-9)))^3$

64

7) $-6^3 \div (((19 + (-15)) \times 8) + 4)$

−6

8) $(-6) \times (-2) + (21 \div 3 - (-20))$

39