

WED HW

Using Order of Operations

Name: Stew Dent

Evaluate each expression.

649	5872	16	17
23	30	276	224

Answers

- 224
- 5872
- 30
- 276
- 16
- 17
- 23
- 649

1) $5 + (9 + 6^3 - 3) - 3$

$5 + (9 + 216 - 3) - 3$

$5 + (225 - 3) - 3$

$5 + (222) - 3$

$227 - 3$

224

3) $3 + (5 + 6 + 9) + 7$

$3 + (11 + 9) + 7$

$3 + 20 + 7$

$23 + 7$

30

5) $(5 + 36 \div 4) + 4 \div 2$

$(5 + 9) + 4 \div 2$

$14 + 4 \div 2$

$14 + 2$

16

7) $(3 + 8) + 42 \div 7 \times 2$

$11 + 42 \div 7 \times 2$

$11 + 6 \times 2$

$11 + 12$

23

2) $10 + (6 \times 5) + 9^3 \times 8$

$10 + 30 + 9^3 \times 8$

$10 + 30 + 729 \times 8$

$10 + 30 + 5832$

$40 + 5832$

5872

4) $2 + 4^3 \times 4 + (2 \times 9)$

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

$2 + 64 \times 4 + 18$

$2 + 256 + 18$

$258 + 18 = \text{276}$

6) $2 + (5 \times 4) - 7 + 2$

$2 + 20 - 7 + 2$

$22 - 7 + 2$

$15 + 2$

17

8) $9 \times 2 + (5^3 \times 5) + 60 \div 10$

$9 \times 2 + (125 \times 5) + 60 \div 10$

$9 \times 2 + 625 + 60 \div 10$

$18 + 625 + 60 \div 10$

$18 + 625 + 6$

$643 + 6 = \text{649}$

$9 \times 9 = 81$

$\begin{array}{r} \times 9 \\ 2729 \end{array}$

$\begin{array}{r} \times 8 \\ 5832 \end{array}$

