

Name:

Working with PEMDAS

Order of Operations

Solve the expressions.

1 $14 \times 2 - [5^2 \div (8 + 2 - 5)]$

2 $2^3 + [(90 \div 3^2 \times 5) \times 6]$

3 $1 + [(7 \times 2^2) - 11] + 3^3$

4 $[(10 + 4^2) - 10] + 9 \times 56 \div 7$

5 $(7^3 - 2 \times 12) \times (15 - 11) \div 2$

6 $10 + 3^3 - [4 + 9 \times (6^3 \div 36)]$

7 $[2^4 + (3^2 - 1) \times 7] + 56$

8 $[2^2 \times (6 - 9)] \div 3 + (-4)^2$

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Answers

1 $14 \times 2 - [5^2 \div (8 + 2 - 5)]$

23

2 $2^3 + [(90 \div 3^2 \times 5) \times 6]$

308

3 $1 + [(7 \times 2^2) - 11] + 3^3$

45

4 $[(10 + 4^2) - 10] + 9 \times 56 \div 7$

88

5 $(7^3 - 2 \times 12) \times (15 - 11) \div 2$

638

6 $10 + 3^3 - [4 + 9 \times (6^3 \div 36)]$

-21

7 $[2^4 + (3^2 - 1) \times 7] + 56$

128

8 $[2^2 \times (6 - 9)] \div 3 + (-4)^2$

12