



PEMDAS with nested parenthesis

Grade 5 Order of Operations Worksheet

Solve the following.

1) $6^2 \div (32 - 29)^2 =$ _____

2) $[(21 - 17) \times (14 - 9)]^2 =$ _____

3) $11^2 - 3 \times 8 - 5^2 - 19 =$ _____

4) $11^2 - \{3 \times [8 - (5^2 - 19)]\} =$ _____

5) $11^2 - [3 \times (8 - 5)^2] - 19 =$ _____

6) $12 \times (3 + 11 + 6) \div 2^3 =$ _____

7) $4^2 + 2^2 \times [40 \div (31 - 29)^2] =$ _____

8) $1^3 \times \{9 + [(9 - 21 \div 7) - (2^3 - 5)]\} =$ _____

9) $10^2 \times 9 - (4^3 - 4 \times 10) =$ _____

10) $4^2 + 3^2 - \{25 - [2 \times (11 + 9 - 13)]\} =$ _____



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Solve the following.

1) $6^2 \div (32 - 29)^2 = 4$

2) $[(21 - 17) \times (14 - 9)]^2 = 400$

3) $11^2 - 3 \times 8 - 5^2 - 19 = 53$

4) $11^2 - \{3 \times [8 - (5^2 - 19)]\} = 115$

5) $11^2 - [3 \times (8 - 5)^2] - 19 = 75$

6) $12 \times (3 + 11 + 6) \div 2^3 = 30$

7) $4^2 + 2^2 \times [40 \div (31 - 29)^2] = 56$

8) $1^3 \times \{9 + [(9 - 21 \div 7) - (2^3 - 5)]\} = 12$

9) $10^2 \times 9 - (4^3 - 4 \times 10) = 876$

10) $4^2 + 3^2 - \{25 - [2 \times (11 + 9 - 13)]\} = 14$