

Name : _____

Order of Operations - GEMS

Sheet 1

Solve

1) $(20 + 3^4 \div 3 \cdot 2^3) \div [(54 \div 3^2 + 14) \div 5]$

Ans =

2) $3 \cdot [8^2 \div (13 - 5) - 4] \cdot 4^4 \div 8$

Ans =

3) $\{5^4 \div [(3^3 - 17) \div 2]\} \cdot 6 \cdot 2 - 7^3$

Ans =

5) $8^3 \div \{90 - [(7^2 - 8) \cdot (2 - 34)]\} \div (19 - 16 + 1)$

Ans =

7) $2 \cdot \{11 + [2 \cdot (9^2 - 7^2) \cdot (5 + 2^2 \cdot 1) - 5^2]\}$

Ans =

9) $6^3 \div 18 \cdot \{2 \cdot [(2^4 \cdot 2^2) \div 16]\}$

Ans =

10) $10^3 - \{2 \cdot [3 \cdot (9^3 + 1) \div 5]\}$

Ans =

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Name : _____

Answer Key

Order of Operations - GEMS

Sheet 1

Solve

1) $(20 + 3^4 \div 3 \cdot 2^3) \div [(54 \div 3^2 + 14) \div 5]$

Ans = **59**

2) $3 \cdot [8^2 \div (13 - 5) - 4] \cdot 4^4 \div 8$

Ans = **384**

3) $\{5^4 \div [(3^3 - 17) \div 2]\}$

Ans = **135**

$6 \cdot 2 - 7^3$

5) $8^3 \div \{90 - [(7^2 - 8) \cdot$

Ans = **64**

$2 - 34)\} \div (19 - 16 + 1)$

7) $2 \cdot \{11 + [2 \cdot (9^2 - 7^2)$

Ans = **248**

$\cdot (5 + 2^2 \cdot 1) - 5^2]$

Ans = **-14**

9) $6^3 \div 18 \cdot \{2 \cdot [(2^4 \cdot 2^2) \div 16]\}$

Ans = **96**

10) $10^3 - \{2 \cdot [3 \cdot (9^3 + 1) \div 5]\}$

Ans = **124**

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