

Exponents and Order of Exponents

Use PEMDAS and solve.

1. $(2^3 \div 1) \times (9^3 + 5) \times 9$

2. $33 + 10 - 4^2 \div 2^3 \times 31$

3. $9 - 62 + 6^2 \div (19 - 17)$

4. $27 - (49 \div 7^2) + 2^2 \times (9 - 4)$

5. $3 - (45 \div 3^2) + 12 \times 4$

6. $(6 \times 2^3) + 13 - 69 \div 3$

7. $8 - 2^2 + 4 \times 64 \div 4^2$

8. $5 + 2^3 \times (22 \div 11) - 3^2 \times (4 + 5)$

9. $48 \div 16 \times 5^2 + 4 - 3^2$

10. $27 - (49 \div 7^2) + 2^2 \times (9 - 4)$

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Answers

1. $(2^3 \div 1) \times (9^3 + 5) \times 9$

52,848

2. $33 + 10 - 4^2 \div 2^3 \times 31$

-19

3. $9 - 62 + 6^2 \div (19 - 17)$

-35

4. $27 - (49 \div 7^2) + 2^2 \times (9 - 4)$

46

5. $3 - (45 \div 3^2) + 12 \times 4$

46

6. $(6 \times 2^3) + 13 - 69 \div 3$

38

7. $8 - 2^2 + 4 \times 64 \div 4^2$

20

8. $5 + 2^3 \times (22 \div 11) - 3^2 \times (4 + 5)$

-60

9. $48 \div 16 \times 5^2 + 4 - 3^2$

70

10. $27 - (49 \div 7^2) + 2^2 \times (9 - 4)$

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