

Order of Operations With Exponents (Set 2)

Name: _____ Date: _____

PEMDAS: parentheses, exponents, multiply/divide, add/subtract.

1. $(12 \div 2)^2 - 4 =$ _____

2. $2^3 \times 9 + 8 =$ _____

3. $2^2 + 4^2 =$ _____

4. $2^3 \times 3 + 7 =$ _____

5. $(5 \times 7) - 2^2 =$ _____

6. $8 \times 6^2 =$ _____

7. $(2 \times 3) - 2^2 =$ _____

8. $8^2 + 6^2 =$ _____

9. $2^3 \times 8 + 2 =$ _____

10. $6^2 + 8^2 =$ _____

11. $5^2 + 8^2 =$ _____

12. $(6 \div 2)^2 - 7 =$ _____

13. $3 \times 6^2 =$ _____

14. $7^2 - 7 \times 4 =$ _____

15. $(12 \div 2)^2 - 9 =$ _____

16. $7^2 + 2 =$ _____

17. $(3 + 9)^2 =$ _____

18. $2^3 \times 9 + 9 =$ _____

19. $8^2 + 7 =$ _____

20. $(14 \div 2)^2 - 7 =$ _____

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Answer Key

PEMDAS: parentheses, exponents, multiply/divide, add/subtract.

1. $(12 \div 2)^2 - 4 = \underline{32}$

2. $2^3 \times 9 + 8 = \underline{80}$

3. $2^2 + 4^2 = \underline{20}$

4. $2^3 \times 3 + 7 = \underline{31}$

5. $(5 \times 7) - 2^2 = \underline{31}$

6. $8 \times 6^2 = \underline{288}$

7. $(2 \times 3) - 2^2 = \underline{2}$

8. $8^2 + 6^2 = \underline{100}$

9. $2^3 \times 8 + 2 = \underline{66}$

10. $6^2 + 8^2 = \underline{100}$

11. $5^2 + 8^2 = \underline{89}$

12. $(6 \div 2)^2 - 7 = \underline{2}$

13. $3 \times 6^2 = \underline{108}$

14. $7^2 - 7 \times 4 = \underline{21}$

15. $(12 \div 2)^2 - 9 = \underline{27}$

16. $7^2 + 2 = \underline{51}$

17. $(3 + 9)^2 = \underline{144}$

18. $2^3 \times 9 + 9 = \underline{81}$

19. $8^2 + 7 = \underline{71}$

20. $(14 \div 2)^2 - 7 = \underline{42}$