



Exponents with Negative Bases

Grade 6 Exponents Worksheet

Date: _____

Name: _____

LET'S MAKE LEARNING EXPONENTS FUN

Solve the following expressions.

1. $(-1)^{112} + (-9)^2 =$ _____

2. $(0)^{125} \div 9^{125} =$ _____

3. $(-8)^2 \div (-2)^3 =$ _____

4. $(-16)^2 \times 88^0 =$ _____

5. $(-2)^3 - 8^2 =$ _____

6. $0^{78} - (-1)^{17} =$ _____

7. $(-3)^2 + 1^{19} =$ _____

8. $10^3 \div 10^1 =$ _____

9. $4^3 + 10^2 =$ _____

10. $24^1 \div 2^3 =$ _____

11. $(-323)^1 + 1^{323} =$ _____

12. $1^4 \times (-13)^2 =$ _____

13. $2^2 \times (-3)^4 =$ _____

14. $1^{221} \div (-1)^{100} =$ _____

15. $-1^7 \times 0^{24} =$ _____

16. $(-4)^3 + (-2)^2 =$ _____

17. $2^2 \times (-3)^3 =$ _____

18. $(-4)^2 + (-2)^3 =$ _____

19. $2^8 \times 2^5 =$ _____

20. $3^4 + 15^1 =$ _____

Exponents with Negative Bases

Grade 6 Exponents Answer Sheet

1. $(-1)^{112} + (-9)^2 = \underline{82}$

2. $(0)^{125} \div 9^{125} = \underline{0}$

3. $(-8)^2 \div (-2)^3 = \underline{-8}$

4. $(-16)^2 \times 88^0 = \underline{256}$

5. $(-2)^3 - 8^2 = \underline{-72}$

6. $0^{78} - (-1)^{17} = \underline{1}$

7. $(-3)^2 + 1^{19} = \underline{10}$

8. $10^3 \div 10^1 = \underline{100}$

9. $4^3 + 10^2 = \underline{164}$

10. $24^1 \div 2^3 = \underline{3}$

11. $(-323)^1 + 1^{323} = \underline{-322}$

12. $1^4 \times (-13)^2 = \underline{169}$

13. $2^2 \times (-3)^4 = \underline{324}$

14. $1^{221} \div (-1)^{100} = \underline{1}$

15. $-1^7 \times 0^{24} = \underline{0}$

16. $(-4)^3 + (-2)^2 = \underline{-60}$

17. $2^2 \times (-3)^3 = \underline{-108}$

18. $(-4)^2 + (-2)^3 = \underline{8}$

19. $2^8 \times 2^5 = \underline{8,192}$

20. $3^4 + 15^1 = \underline{96}$