

احسب و اكتب النتيجة في أبسط شكل.

29 $-9^2 =$

22 $(-4)^{-3} =$

15 $2^6 =$

8 $-34^0 =$

1 $-6^2 =$

30 $(-5)^{-2} =$

23 $2^{-3} =$

16 $2^{-2} =$

9 $20^1 =$

2 $-2^5 =$

31 $(-5)^{-3} =$

24 $(-3)^2 =$

17 $(-2)^5 =$

10 $9^2 =$

3 $(-2)^{-8} =$

32 $(-2)^9 =$

25 $-2^3 =$

18 $-2^2 =$

11 $(-2)^2 =$

4 $(-2)^8 =$

33 $-38^0 =$

26 $3^2 =$

19 $-28^1 =$

12 $31^0 =$

5 $(-2)^{-7} =$

34 $39^1 =$

27 $(-5)^3 =$

20 $(-2)^{-3} =$

13 $(-4)^{-2} =$

6 $3^{-3} =$

21 $-14^1 =$

14 $-2^7 =$

7 $(-3)^3 =$

المحلول

17 $(-2)^5 = (-2) \times (-2) \times (-2) \times (-2) \times (-2) = -32$

18 $-2^2 = -(2 \times 2) = -4$

19 $-28^1 = -28$

20 $(-2)^{-3} = \frac{1}{(-2) \times (-2) \times (-2)} = \frac{-1}{8}$

21 $-14^1 = -14$

22 $(-4)^{-3} = \frac{1}{(-4) \times (-4) \times (-4)} = \frac{-1}{64}$

23 $2^{-3} = \frac{1}{2^3} = \frac{1}{2 \times 2 \times 2} = \frac{1}{8}$

24 $(-3)^2 = (-3) \times (-3) = 9$

25 $-2^3 = -(2 \times 2 \times 2) = -8$

26 $3^2 = 3 \times 3 = 9$

27 $(-5)^3 = (-5) \times (-5) \times (-5) = -125$

28 $19^0 = 1$

29 $-9^2 = -(9 \times 9) = -81$

30 $(-5)^{-2} = \frac{1}{(-5) \times (-5)} = \frac{1}{25}$

31 $(-5)^{-3} = \frac{1}{(-5) \times (-5) \times (-5)} = \frac{-1}{125}$

32 $(-2)^9 = (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) = -512$

33 $-38^0 = 1$

34 $39^1 = 39$

1 $-6^2 = -(6 \times 6) = -36$

2 $-2^5 = -(2 \times 2 \times 2 \times 2 \times 2) = -32$

3 $(-2)^{-8} = \frac{1}{(-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2)}$
 $= \frac{1}{256}$

4 $(-2)^8 = (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) = 256$

5 $(-2)^{-7} = \frac{1}{(-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2) \times (-2)}$
 $= \frac{-1}{128}$

6 $3^{-3} = \frac{1}{3^3} = \frac{1}{3 \times 3 \times 3} = \frac{1}{27}$

7 $(-3)^3 = (-3) \times (-3) \times (-3) = -27$

8 $-34^0 = 1$

9 $20^1 = 20$

10 $9^2 = 9 \times 9 = 81$

11 $(-2)^2 = (-2) \times (-2) = 4$

12 $31^0 = 1$

13 $(-4)^{-2} = \frac{1}{(-4) \times (-4)} = \frac{1}{16}$

14 $-2^7 = -(2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2) = -128$

15 $2^6 = 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 64$

16 $2^{-2} = \frac{1}{2^2} = \frac{1}{2 \times 2} = \frac{1}{4}$