What Did People Say When Walter Gearloose Tried to Drag His Sheep Across a Frozen Pond?

● Write the letter of each correct answer in the box containing the exercise number.

Simplify the expression.

1. $5^3 \cdot 5^2$

2. $(-5)^7 \cdot (-5)^4$

3. $5^8 \div 5^5$

4. $(-5)^{10} \div (-5)^3$

5. $\dfrac{5^6}{5^5}$

S. 5^4
A. $(-5)^{11}$
T. $(-5)^7$
W. 5^5
I. 5
H. $(-5)^9$
L. 5^3

Simplify the expression.

6. $x^9 \cdot x^2$

7. $x^9 \div x^2$

8. $(-x)^6 \cdot (-x)^6$

9. $\dfrac{x^4}{x}$

10. $x \cdot x^7$

U. $(-x)^{12}$
L. x^8
S. x^{11}
R. $(-x)^{30}$
L. x^3
P. x^7
N. x^6

Write the expression without exponents.

11. $3^2 \cdot 3^3$

12. $(-3)^2 \cdot (-3)^3$

13. $8^7 \div 8^4$

14. $\dfrac{(-8)^5}{(-8)^3}$

15. $\dfrac{(-8)^4}{-8}$

N. -243
S. -81
H. -512
G. 512
I. 243
A. -64
T. 64

Write the expression without exponents.

16. $10^3 \cdot 10$

17. $-10 \cdot (-10)^5$

18. $\dfrac{(-10)^{12}}{(-10)^7}$

19. $2^2 \cdot 2^3 \cdot 2^2$

20. $\dfrac{(-2)^{11}}{(-2)^4}$

O. 128
A. $-10,000$
L. -128
W. $1,000,000$
D. -64
E. $10,000$
O. $-100,000$

Write the expression without exponents.

21. $40^8 \div 40^5$

22. $\dfrac{(-40)^4}{(-40)^3}$

23. $(-9)^2 \cdot (-9)^2$

24. $9 \cdot 9 \cdot 9^3$

25. $\dfrac{9^2}{9^2}$

R. $59,049$
O. $64,000$
G. 729
E. 6561
O. 1
N. -1600
V. -40

What value of n makes the statement true?

26. $5^7 \cdot 5^n = 5^{10}$

27. $(-8)^n \cdot (-8)^4 = (-8)^{15}$

28. $12^{10} \div 12^n = 12^2$

29. $m \cdot m^n = m^{13}$

30. $\dfrac{m^4}{m^4} = m^n$

E. 0
S. 10
I. 8
D. 2
R. 11
C. 12
U. 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30