

Chapter 2 Section 4: Multiplying Integers

Problems

1. When multiplying 12 factors, five of which are negative numbers, is the product positive or negative?

2. When a negative number is raised to an even power, is the result positive or negative?

Simplify.

3. $3(-7)$

4. $-6(9)$

5. $-5(-8)$

6. $-1(-1)$

7. $-(-1)$

8. $11(0)$

9. $-6 \cdot 7$

10. $6(-12)$

11. $-5 \cdot 12 \cdot 7$

12. $2 \cdot -13 \cdot 5$

13. $-6(-11)(9)$

14. $-(-5)(-30)$

15. $-8(-4)(-5)8$

16. $7(-4)(-3)(2)$

17. $-2(-3)(4)(-1)$

18. $-7(-3)(-3)4$

19. $-4(-4)(3)(-2)(-7)$

20. $-2 \cdot 7 \cdot -1 \cdot -11 \cdot 6$

Simplify.

21. -2^3

22. -2^4

23. $(-2)^5$

24. $(-2)^6$

25. $-(-3)^2$

26. $-(-3)^3$

27. $2(-3)^4$

28. $-2(-3)^3$

29. $3(4^2)(-1)^5$

30. $-2^3(-3)^2(4)$
