

Lesson 4 Homework Practice

Multiply Integers

Multiply.

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|--|--------------------|-------------------------|
| 1. $4(-7)$ | 2. $-14(5)$ | 3. $9(-12)$ |
| 4. $-6(-8)$ | 5. $27(-3)$ | 6. $-11(-13)$ |
| 7. $-55(0)$ | 8. $(-7)(-7)$ | 9. $78(-1)$ |
| 10. $(-3)^3$ | 11. $(-1)^4$ | 12. $(-8)^2$ |
| 13. Find -5 cubed. | | |
| 14. Find the product of 13 and -31 . | | |
| 15. $5(4)$ | 16. $3(-1)$ | 17. $(-5)(8)$ |
| 18. $-7(4)(8)$ | 19. $(-5)(4)(-1)$ | 20. $-5(-1)^3$ |
| 21. $-(-5)^2(4)$ | 22. $-4(8) - (-5)$ | 23. $(4)^2 - 4(-5)(-1)$ |

24. **RECREATION** Hiking up a mountain, you notice that the air temperature drops 10°C for every 1,000 meters increase in elevation. Write a multiplication expression to represent the decrease in temperature if you hike up the mountain 3,000 meters. Then evaluate the expression and explain its meaning.