





To evaluate a variable expression, you first replace each variable with a number. Then, you use the order of operations to simplify.

Evaluate 4y - 15 for y = 9.

4y - 15 = 4(9) - 15 Replace y with 9. = 36 - 15 Multiply. = 21 Subtract.

Try this example with your table mate:

An online music store charges \$14 for each CD. Shipping costs \$6 per order. Write a variable expression for the cost of ordering CDs. Find the cost of ordering eight CDs.





integers - the whole numbers and their opposites

Can you think of some real-world ways we see negative numbers?

temperatures sea level measurements debt bank balance - eek!

Graph these integers on a number line and order them from least to greatest: 0, 2, and -4.







Multiplying & Dividing Integers

Give these problems a try...

Simplify each product.

5. 3(-3)	6. 4(-11)	7. 3(-8)
8. 5(-10)	9. 6(-3)	10. 2(-15)
11. 9(-9)	12. 3(-24)	13. 8(-6)
14. -5(-3)	15. −6 • 10	16. -10 · 0
17. -9(-8)(-5)	18. 0(−12) • 4	19. 8 ⋅ 3(-4)
Find each quotient.		
1		
20. 24 ÷ (−24)	21. 18 ÷ (−1)	22. −120 ÷ 12
 20. 24 ÷ (−24) 23. 56 ÷ (−8) 	21. 18 ÷ (−1) 24. −72 ÷ 12	 22. −120 ÷ 12 25. −100 ÷ (−10)
 20. 24 ÷ (−24) 23. 56 ÷ (−8) 26. −38 ÷ (−2) 	 21. 18 ÷ (−1) 24. −72 ÷ 12 27. −72 ÷ 6 	 22. −120 ÷ 12 25. −100 ÷ (−10) 28. −33 ÷ 11



