Making Practice Fun 23 Name _____

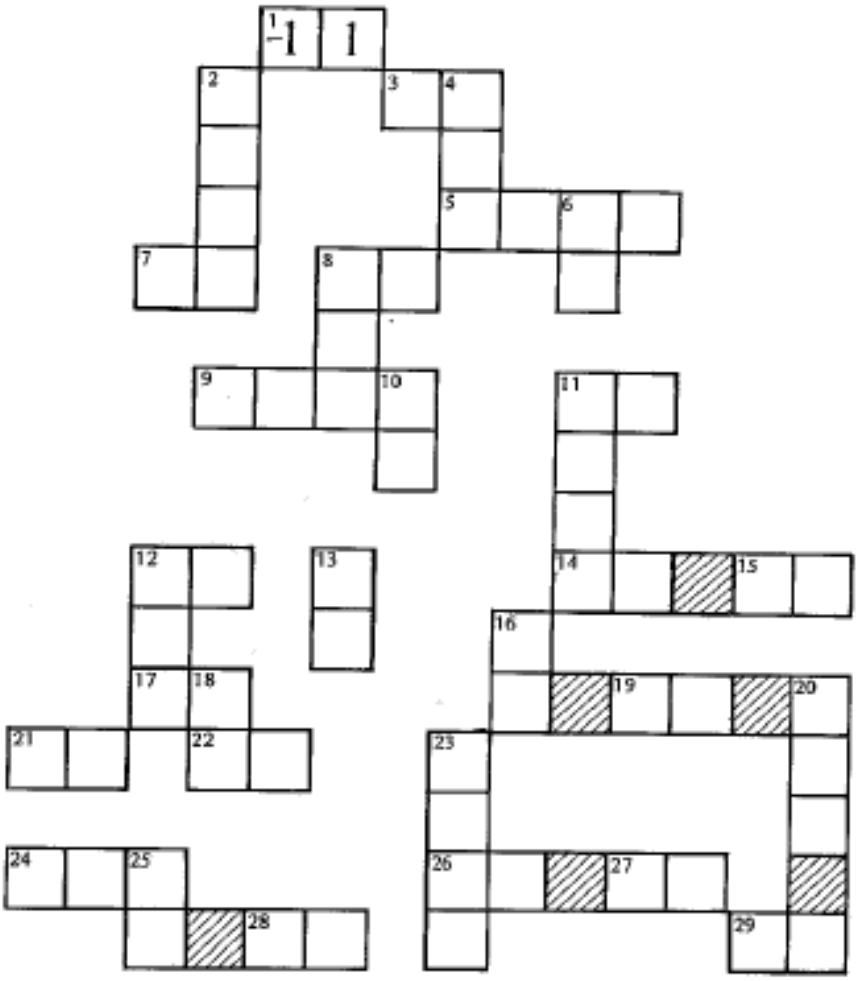
Integers and Rational Numbers—Solving Equations and Problems

CROSS NUMBER PUZZLE

1. Work each exercise.
2. If the answer is positive, write it in the correct squares.
3. If the answer is negative, include the minus sign with the first digit of the answer.

Across

1. $x + 16 = 5 \quad x = -11$
3. $\frac{y}{7} = -12$
5. $-\frac{x}{10} = -101$
7. $324 - x = 412$
8. $x - 4\frac{1}{3} = 9\frac{2}{3}$
9. $\frac{x}{6} - 39 = 130$
11. $3 \cdot x = -45$
12. $8\frac{1}{4} + x = -24\frac{3}{4}$
14. $\frac{x}{0.4} = 6.25$
15. $-\frac{1}{7}x = 9$
17. $-x + 52 = -12$
19. $-\frac{2}{3}x = 46$
21. $4 - x = 23$
22. $-5x = -95$
24. $-\frac{x}{41} = 5$
26. $-\frac{x}{7} = -7$
27. $2.3x = -119.6$
28. $-\frac{3}{5} + x = \frac{82}{5}$
29. A radio is sold for $48. This is two-thirds of the regular price. What is the regular price?



Down

2. $x - 75.3 = 3042.7$
4. $n + 282.4 = 713.4$
6. $m + 78 = 89$
8. $\frac{x}{11} = 11$
10. $0.2x = 8$
11. $-3x = 4986$
12. $-\frac{x}{6} = 56$
13. $x + 11.8 = -5.2$
16. $x - \frac{3}{5} = 9\frac{2}{5}$
18. $x + 59 = 100$
20. $-\frac{x}{5} = 10 - (-10)$
23. $0.12x = 172.8$
25. A dress is on sale for $33. This is $\frac{3}{5}$ of the regular price. What is the regular price?