

**LESSON**  
**2.3**

# Practice A

For use with the lesson "Solve Two-Step Equations"

### State the first step in solving the equation.

1.  $6x + 8 = 13$

2.  $9c - 3 = 17$

3.  $72 = 4m + 10$

4.  $15 - y = 23$

5.  $\frac{a}{4} + 3 = 1$

6.  $\frac{n}{5} - 6 = 11$

### Solve the equation.

7.  $4n + 8 = 12$

8.  $5y + 2 = 17$

9.  $8x - 15 = 1$

10.  $3c - 4 = 5$

11.  $12 = 7 - m$

12.  $19 = 10 - b$

13.  $\frac{p}{2} + 3 = 11$

14.  $\frac{w}{5} + 6 = 16$

15.  $\frac{z}{4} - 5 = 3$

### Match the equation with the function described.

16. The output of a function is 8 more than 3 times the input.

A.  $y + 8 = 3x$

17. The output of a function is 3 more than 8 times the input.

B.  $y - 8 = 3x$

18. The output of a function is 8 less than 3 times the input.

C.  $y + 3 = 8x$

19. The output of a function is 3 less than 8 times the input.

D.  $y - 3 = 8x$

### Solve the equation.

20.  $3a + 5a = 16$

21.  $4y + 7y = 22$

22.  $5p + 2p = 28$

23.  $16x - 4x = 36$

24.  $12m - 3m = 18$

25.  $23z - 13z = 50$

26. **Band Fundraiser** Your school band needs to buy new recording equipment. The equipment will cost \$3000. The band has collected \$1200 in previous fundraisers. If the band sells sandwiches at \$5 each, how many sandwiches will they need to sell to raise the remaining funds?

Cost per sandwich	•	Number of sandwiches sold	+	Money already raised	=	Cost of equipment
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27. **Water Skiing** You and your family are taking a vacation at a lake. Your family paid a total of \$1720 to rent a boat for 5 days along with a set of water ski equipment. The total cost of the rental is the sum of the amount paid for the water ski equipment and the amount paid for the boat rental. You were charged \$45 for the equipment rental. What did you pay per day for the boat rental?

Cost per day for boat rental	•	Number of days of boat rental	+	Cost of equipment rental	=	Total amount paid
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