

Test, Form 1B *(continued)*

Use the following information for Exercises 7–9. Malia earns \$5 for every hour that she babysits.

7. Which equation can be used to find t , the total amount Malia will earn after babysitting h hours?
A. $h = 5 + t$ **B.** $t = 5 + h$ **C.** $h = 5t$ **D.** $t = 5h$ 7. **D**
8. How much will Malia earn if she babysits for 8 hours?
F. \$10 **G.** \$25 **H.** \$40 **I.** \$50 8. **H**
9. Which set of ordered pairs represents the relationship between the number of hours Malia babysits and the money she earns?
A. (5, 1), (10, 2), (15, 3), (20, 4) **C.** (1, 5), (2, 15), (3, 25), (4, 30)
B. (1, 5), (2, 10), (3, 15), (4, 20) **D.** (0, 5), (1, 10), (2, 15), (3, 20) 9. **B**
10. Which of the following is a solution of the inequality $y - 5 \geq 8$?
F. 15 **G.** 12 **H.** 10 **I.** 8 10. **F**

11. The inequality $h \geq 48$ represents the minimum height h necessary to ride a certain roller coaster. Who can ride the roller coaster?

Heights (in.)	
Miguel	42
Patrick	45
Anna	48
Sara	52

- A.** Sara only
B. Anna only
C. Anna and Sara
D. Anna, Patrick, and Miguel 11. **C**

12. Which inequality is graphed below?



- F.** $t \geq 2$ **G.** $t \leq 2$ **H.** $t > 2$ **I.** $t < 2$ 12. **H**
13. Zachary can spend at most \$100 on new clothes. Which inequality represents this situation?
A. $s < 100$ **B.** $s > 100$ **C.** $s \leq 100$ **D.** $s \geq 100$ 13. **C**

14. Which of the following inequalities has the solution shown below?



- F.** $2x \leq 8$ **G.** $2x < 8$ **H.** $2x \geq 8$ **I.** $2x > 8$ 14. **G**

Solve each inequality.

15. $6 + x \leq 17$
A. $x \leq 11$ **B.** $x \geq 11$ **C.** $x \leq 23$ **D.** $x \leq 23$ 15. **A**
16. $4x \geq 12$
F. $x \geq 3$ **G.** $x \leq 12$ **H.** $x \geq 48$ **I.** $x \leq 48$ 16. **F**
17. $\frac{x}{8} < 8$
A. $x > 64$ **B.** $x < 64$ **C.** $x > 1$ **D.** $x < 1$ 17. **B**