Cumulative Test CHARTER

Choose the best answer.

- Evaluate 6(18 4).
 - A 21

C 26

B 23

- D 102
- 2. Evaluate the expression 3(4a-5)-bfor a = 6 and b = -3.
 - F 54

H 64

G 60

- J 70
- Evaluate |3 r | for r = 10.
 - A = 13B = 7

- C: 7
- D 13
- 4. In which quadrant is the coordinate pair (-11, 1) located?
 - FI

PH IIII

GIII

- J IV
- 5. Solve the equation $\frac{m}{3} + 5 = 1$.
 - A = 18

C 2

B -2

- D 12
- Solve the inequality -7 ≤ 2x + 9.
 - $F.x \le -1$
- $H \times \geq -8$

 $G_{\rm i} \times < 1$

- $J \times > B$
- Evaluate d³ for d = -5.
 - A -243
- C = 75
- B = 125
- D = 15
- Simplify z⁹ z³.
 - F 23

H4 - 2 52

Ca 2"

- A 200
- What is the solution to the equation 4c - 3 = 85?
 - A = 22

C 22

B 20.5

- D 85
- What is the solution to the equation -4 - 3y = y + 8?
 - F -3
 - G = 2

- HI T
- 1 2

- 11. The statement '6 less than twice a number is at least 15" is represented by
 - $A \cdot 6 2n \le 15$
- $C \cdot 6 2n \ge 15$
- $8.2n 6 \le 15$
- $D 2n 6 \ge 15$
- 12. What is the slope of the line that passes through (-8, 2) and (4, 5)?

- 13. Which inequality is shown by the graph?



- $A y \ge -2x 1$ $C y \ge -\frac{1}{2}x 1$
- B $y \le -2x 1$
- D $y \ge 2x 1$
- 14. If f(x) = 3x 5, what is f(-2)?
 - F = -6x + 10
- H 3x 7

G 1

- $J_1 = 1.1$
- 15. Thirty-two is what percent of 80?
 - A 4%

- C. 40%
- 8 25.6%
- D 256%
- 16. Which equation can be solved to find 150% of 162
 - $Fx = 150 \cdot 16$ H16x = 150
 - $G x = 1.5 \cdot 16$
- J = 1.5x = 16
- 17. Last year Miranda was 60 inches tall. This year she is 63 inches tall. What is the percent increase in her height?
 - A. 55%

C 60%

- B 6.3%
- D 95%

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web lab investigation in today s experiment you will design and execute an experimental procedure to determine which of three ionic compounds is most suitable for use in a hand warmer the three compounds you will use is determined by the group number you are assigned the ideal hand warmer