

Santa Clara Unified

7th Gr Math 2nd Quarter

Name _____

Date _____

Read questions 1 through 25 and select the best answer.

- 1** $9(h + 2)$
- A. $9h + 18$
 - B. $9h + 11$
 - C. $9h + 2$
 - D. $2h + 18$

- 2** $2c + 2 + 5c$
- A. $9c$
 - B. $9c^2$
 - C. $7c + 2$
 - D. $4c + 5$

- 3** $a - 4 = 12$
- A. -8
 - B. 16
 - C. 8
 - D. 48

- 4** $5q = 15$
- A. 10
 - B. 20
 - C. 75
 - D. 3

- 5** $\frac{p}{4} = 8$
- A. 2
 - B. $\frac{1}{2}$
 - C. 32
 - D. 4

- 6** $2x - 26 = 10$
- A. -8
 - B. 5
 - C. 2
 - D. 18

- 7** $\frac{x}{5} + 9 = 4$
- A. 65
 - B. -25
 - C. 5
 - D. 20

- 8** $5m + 4m = 72$
- A. -72
 - B. 9
 - C. 8
 - D. 72

9 $2(x + 4) = 30$

- A. 7
- B. 11
- C. 15
- D. 19

10 $k - 31 - 25 = -30$

- A. 26
- B. -26
- C. -86
- D. -24

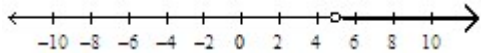
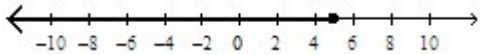
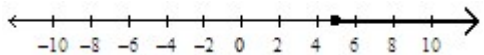
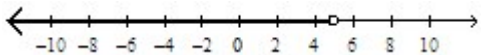
11 Tom saves \$5 each month. At this rate, how many months will he need to save \$20?

- A. 4 months
- B. 15 months
- C. 3 months
- D. 5 months

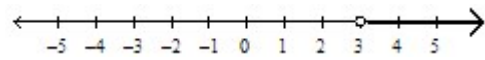
12 Uma wants to buy a video game system for \$270. She has \$60 and is saving \$30 each week. Solve the equation $30w + 60 = 270$ to find how many weeks w it will take Uma to save enough to buy the system.

- A. 6 weeks
- B. 7 weeks
- C. 9 weeks
- D. 8 weeks

13 $c < 5$

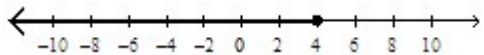
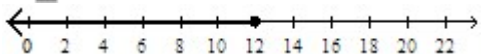
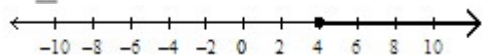
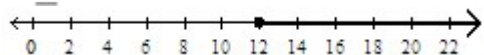
- A. 
- B. 
- C. 
- D. 

14 Write an inequality for the graph.



- A. $x < 3$
- B. $x \leq 3$
- C. $x \geq 3$
- D. $x > 3$

15 $a + 4 \geq 8$

- A. 
- B. 
- C. 
- D. 

16 $5n > -25$

- A. $n > -20$
- B. $n > -5$
- C. $n > 30$
- D. $n < -5$

17 State whether the number is *prime*, *composite*, or *neither*.

91

- A. prime
- B. composite
- C. neither

18 What is the prime factorization of 180?

- A. $2^2 \cdot 3^2 \cdot 5$
- B. $4 \cdot 9 \cdot 5$
- C. $36 \cdot 5$
- D. $2 \cdot 3 \cdot 5$

19 Find the GCD.

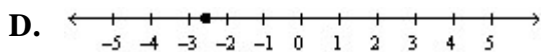
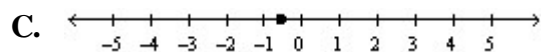
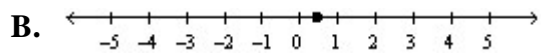
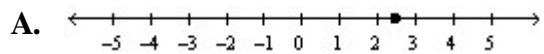
12 and 45

- A. 45
- B. 180
- C. 12
- D. 3

20 Write $\frac{12gh}{36g^2h^3}$ in simplest form.

- A. $\frac{1}{3h^2}$
- B. $\frac{1}{3}gh$
- C. $\frac{1}{2gh^2}$
- D. $\frac{1}{3gh^2}$

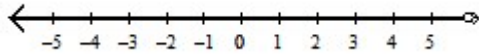
21 $2\frac{1}{2}$



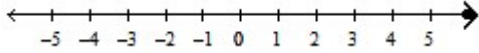
- 22** Solve and graph the inequality.

$$3m + 9 \leq 18$$

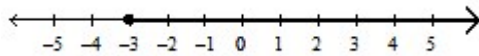
A. $m \leq 6$



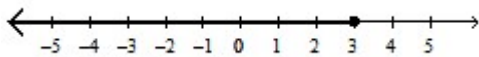
B. $m \geq 6$



C. $m \geq -3$



D. $m \leq -3$



23 $\frac{1}{3}$ ■ $\frac{4}{5}$

A. $\frac{1}{3} < \frac{4}{5}$

B. $\frac{1}{3} > \frac{4}{5}$

C. $\frac{1}{3} = \frac{4}{5}$

D. cannot be compared

24 $\frac{3}{4}$

A. 0.75; terminating

B. 0.83; repeating

C. 0.3; terminating

D. 0.3; repeating

25 16 ft = ■ in.

A. $1\frac{1}{3}$

B. 192

C. 64

D. 1