TEST NAME: **Expressions/Equations (EE.7-EE.8)**
TEST ID: **181112**
GRADE: **06**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

Date: _____

1. Jimmy has 5 times as many baseball cards as Cassie. Jimmy has 45 cards. Which equation can be used to find the number of baseball cards, x, that Cassie has?

   A. $x = 45 + 5$

   B. $x + 5x = 45$

   C. $x + 5 = 45$

   D. $5x = 45$

2. Henry and Jennie have the same number of tennis balls. Together they have a total of 16 tennis balls. Which equation could be used to find the number of tennis balls, t, they each have?

   A. $t \times 2 = 16$

   B. $t - 2 = 16$

   C. $t \div 2 = 16$

   D. $t + 2 = 16$

3. Tom's car uses gasoline at a rate of 20 miles per gallon. At this rate, how many gallons will the car use to travel 100 miles?

   A. 5

   B. 80

   C. 120

   D. 2,000

4. The sum of a number, x, and 12 is 250. Which equation can be used to find the value of x?

A. $12 \bullet x = 250$

B. $250 \bullet 12 = x$

C. $12 + 250 = x$

D. $x + 12 = 250$

5. What is the value of z in the equation $(3 + 4) + z = (4 + 8) + 3$?

A. 4

B. 6

C. 8

D. 10

6. A family drank x gallons of milk each week. They drank a total of 208 gallons of milk in 52 weeks. Which equation represents the number of gallons, on average, the family drank each week?

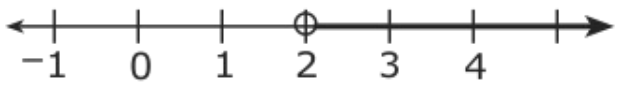
A. $52x = 208$

B. $x + 52 = 208$

C. $52 \div x = 208$

D. $208 - x = 52$

7. Which inequality is shown on this graph?



A. $x > 2$

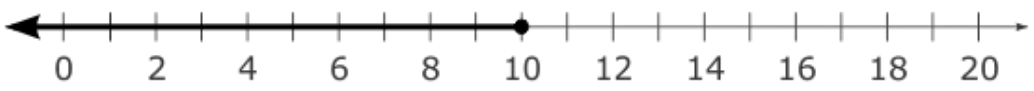
B. $x < 2$

C. $x \geq 2$

D. $x \leq 2$

8. Sally can spend, at most, $50.00 on canoeing. The cost to rent a canoe is $5 per hour. Which graph shows the number of hours Sally can rent the canoe?

A.



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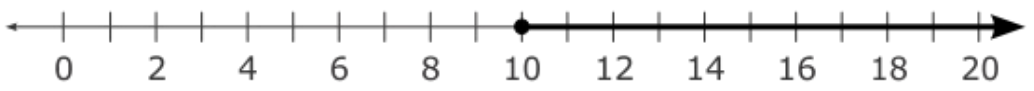

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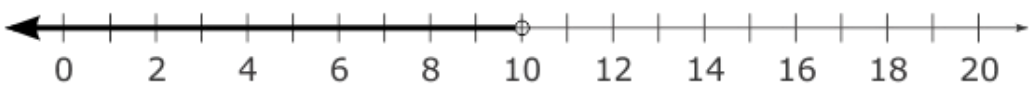
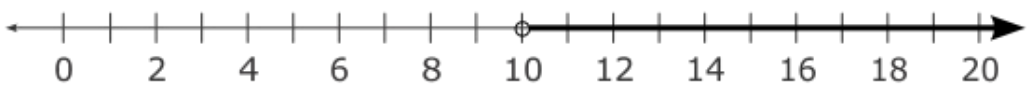


D.



9. To ride a roller coaster, a person must be at least 60 inches tall. Which inequality represents the height, *h*, a person must be to ride the roller coaster?

A. $h > 60$

B. $h < 60$

C. $h \geq 60$

D. $h \leq 60$

10. Simon had $650 to spend on airfare and a hotel. He spent $331 on airfare. Which inequality represents how much money Simon can spend on the hotel, *h*?

A. $h \geq 650 - 331$

B. $h \leq 650 - 331$

C. $h + 650 \geq 331$

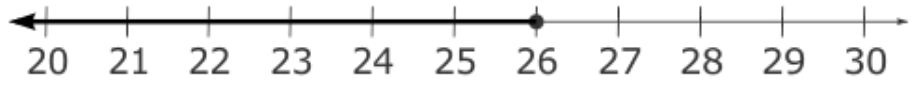
D. $h + 650 \leq 331$

11. A 6th grade class is going on a field trip that costs $25.00 per student, plus money for food and souvenirs. Students can bring their lunch. Which graph shows the amount of money the field trip will cost for each student?

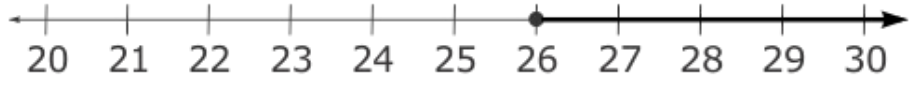
A.

B.

C.



D.



12. The minimum height a person must be for an amusement park ride is 48 inches. Which inequality represents this height requirement, h?

A. $h \leq 48$

B. $h \geq 48$

C. $h < 48$

D. $h > 48$