

Name: _____

Date: _____

6th Grade Practice Sheet 24

Show how you made your choice.

1) Which choice best represents the height of a 2 story home?

- a. 12 km
- b. 12mm
- c. 12cm
- d. 12m

2) Four friends played a game. At the end of the game, their scores were -8, -2, 1, and -3. What is the lowest score?

- a. -8
- b. -2
- c. 1
- d. -3

3) Use Mrs. Reece, Ms. Bell, Mrs. Holbrook, and Mr. Zimmerman's test scores to find the Mean, Median, Mode and Range for the 6th grade test scores. Identify the outlier in this list. 84, 88, 62, 98, 77, 82, 88, 93, 89, 42, 14, 97, 75, 63, 93, 88, 73, 69, 73, 55, 92, 66, 78, 81

Mean _____ Median _____ Mode _____ Range _____ Outlier _____

4) Find the Mean, Median, Mode and Range:

61,21,80,46,37,70,59,65,46,39

Mean _____ Median _____ Mode _____ Range _____

5) Find the Mean, Median, Mode and Range:

13, 6, 24, 18, 33, 5, 13, 48, 9, 11, 36, 28, 15, 6, 13

Mean _____ Median _____ Mode _____ Range _____

6) Fifteen students completed science projects worth 10 points. The teacher posted their scores:

10, 8, 7, 4, 6, 3, 10, 0, 5, 5, 5, 8, 6, 7, 9. Which measure of central tendency does "5" represent?

- a. mean
- b. mode
- c. median
- d. range

7) The teacher also displayed the range of the score for the data in #24. What was the number she displayed?

- a. 0
- b. 5
- c. 6
- d. 10

8) The range of the ages of the four children in Dario's family is 13. Which list could be the ages of the children in Dario's family?

- a. 3, 7, 9, 17
- b. 3, 9, 11, 16
- c. 5, 10, 16, 17
- d. 7, 8, 10, 18

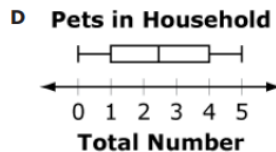
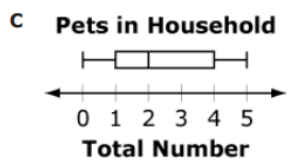
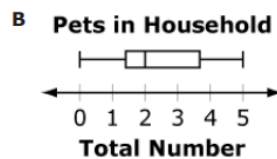
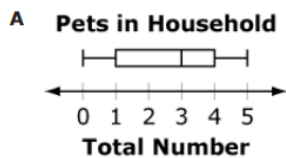
9) Paul has 3 different colored shirts, 4 different colored ties, 2 different colored pants, and 2 different colored pairs of shoes. How many different color combinations can he wear if he chooses one of each item?

- a. 11
- b. 24
- c. 33
- d. 48

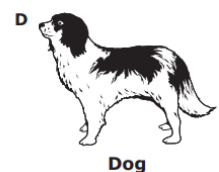
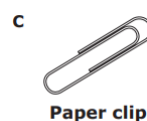
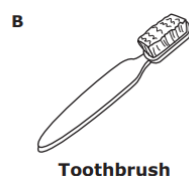
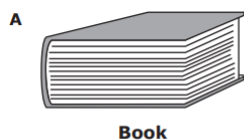
10) The table shows seven students and the total number of pets in each student's household. Which box and whisker plot best represents this data?

Pets in Household

Student	Total Number
Paul	0
Joann	2
Tyler	1
Betty	5
Roberto	4
Kim	1
Ema	3

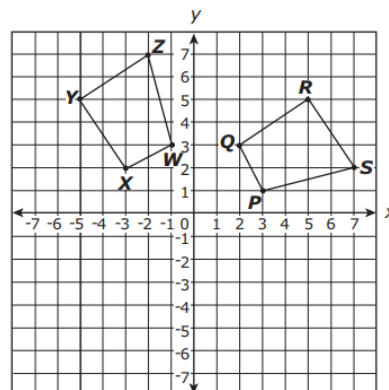


11) Which object weighs about 1 ounce?



12) A computer program was used to transform quadrilateral PQRS to quadrilateral WXYZ. What is the one-step transformation from quadrilateral PQRS to quadrilateral WXYZ?

- a. Dilation
- b. Reflection
- c. Rotation
- d. Translation

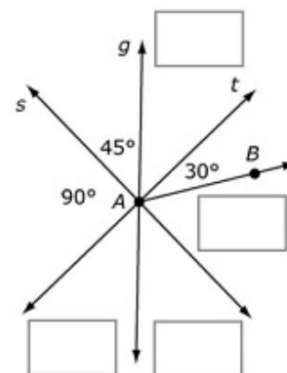


13) What is the sum of Expression 2 and Expression 3?

- a. 3.8
- b. 5.3
- c. 7.3
- d. 17.3

Expression 1	$-6 + 4$
Expression 2	$1.5(9 - 7)$
Expression 3	$4.6 \div 2$

14) For the following picture, fill in the measurement of each angle. Some answers will not be used.



15) In the triangle shown below, the measurement of angle 1 is equal to the measurement of angle 2. The measure of angle 2 is equal to 35 degrees. Which statement must be true?

- a. Angle 1 + Angle 3 = 35 degrees
- b. Angle 1 + Angle 3 = 70 degrees
- c. Angle 1 + Angle 3 = 145 degrees
- d. Angle 1 + Angle 3 = 180 degrees

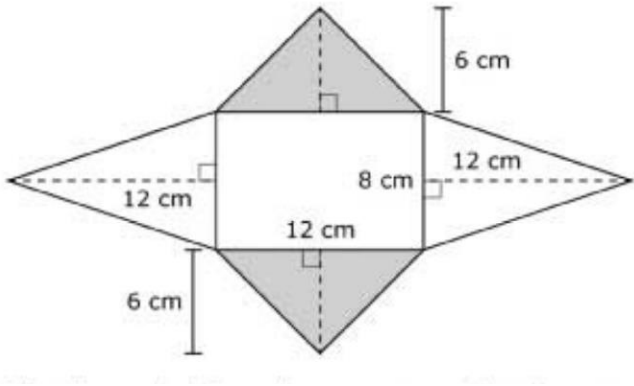


16) Put the numbers in the correct spaces:



17) Connie created the figure shown using four isosceles triangles and one rectangle. Complete each question below.

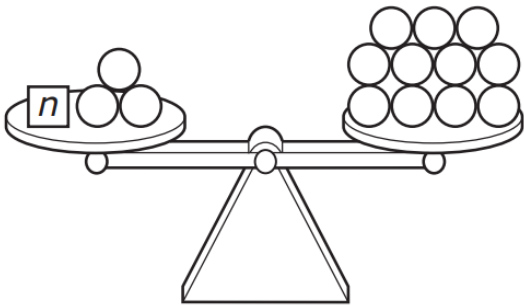
- The area of each smaller triangle is _____ square centimeters (cm²)
- The area of each larger triangle is _____ square centimeters (cm²)
- The total area of the whole figure is _____ square centimeters (cm²)



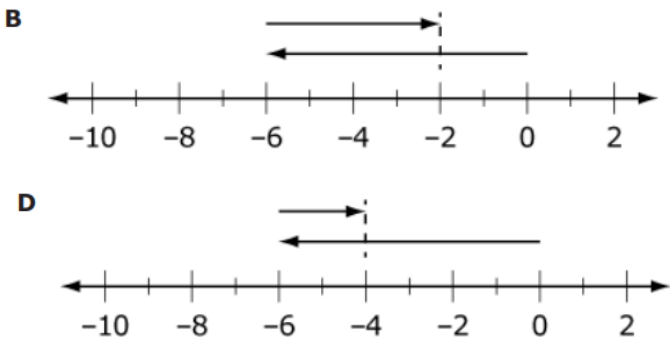
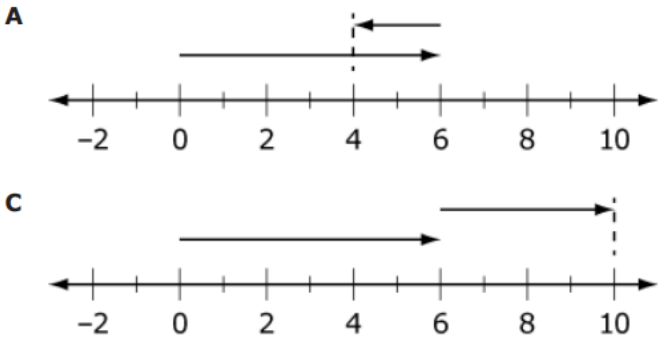
18) Yanni balanced a scale as shown.

How many ○s equal □*n*?

- A 3
- B 8
- C 11
- D 14



19) Which number line expresses “-6 + 4”?



20) The table to the right shows the amount of colored candies in a bag. Sarah chooses one candy from the bag without looking. Which statement is true?

- a. It is certain that Sarah will pick a green candy.
- b. It is impossible for Sarah to pick a purple candy.
- c. Sarah is equally likely to pick a blue candy or a red candy.
- d. Sarah is less likely to pick a red candy than a yellow candy.

Candy in Bag	
Color	Number
blue	5
green	8
red	6
yellow	1