TEST NAME: **Spring Break Assessment**
TEST ID: **1670423**
GRADE: **06 - Sixth Grade**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

1. **Which exponent goes in the box to make the following a true statement?**

$2^{\square} \times 11 = 44$

A. 2
B. 4
C. 9
D. 13

2. Jason has already made 5 birdhouses. If he decides to make 4 birdhouses each week, which expression can be used to find the total number of birdhouses he has made after *w* weeks?

A. $4w$

B. $5w$

C. $4w + 5$

D. $5w + 4$

3. **Sunday brunch at a local restaurant costs $12.94 per person. Let *n* represent the total number of people eating brunch together. Which expression could be used to find the cost of brunch for an entire group?**

A. $12.94 + n$
B. $12.94 \div n$
C. $12.94 - n$
D. $12.94n$

4. **The line graph shows Callie's height from ages 8 to 12.**
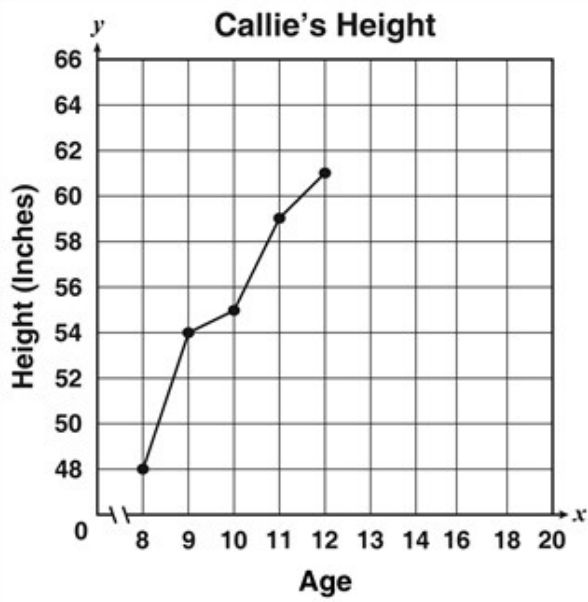
Which list contains only independent quantities from the graph?

A. 8, 9, 11, 12

B. 8, 48, 9, 54

C. 48, 50, 52, 54

D. 48, 54, 55, 61

5. **What is $2 \times 2 \times 2 \times 5 \times 5 \times 5 \times 5$ in exponential form?**

A. $2^3 \times 4^5$

B. $3^2 \times 4^5$

C. $2^3 \times 5^4$

D. $3^2 \times 5^4$

6. The table shows the amount of money Abby earns for babysitting.

Abby's Babysitting

Number of Hours Worked (h)	Amount of Money Earned (m)
5	$30
6	$36
7	$42
8	$48

Which equation represents the relationship between the number of hours, h, Abby babysits and the amount of money, m, she earns?

A.
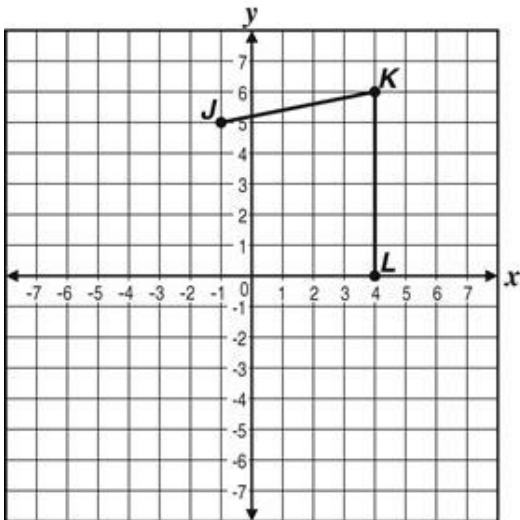$$6 = \frac{h}{m}$$

B.
$$m = 6h$$

C.
$$m = h + 1$$

D.
$$h = m + 6$$

7. **Two sides of parallelogram *JKLM* are shown in the graph below.**

What should be the coordinates of point *M*?

A. $(-1, -2)$

B. $(-1, -1)$

C. $(-1, 0)$

D. $(-1, 1)$

8. **A piece of felt measures $11\frac{3}{4}$ inches by $8\frac{1}{2}$ inches. Which is closest to the area, in square inches, of 20 pieces of the same size felt?**

A. 100

B. 200

C. 1000

D. 2000

9. A figure has vertices at the points ($^-$4, 3), (4, 3), (2, $^-$3), and ($^-$2, $^-$3). What is the area of the figure?

A. 24 units^2

B. 36 units^2
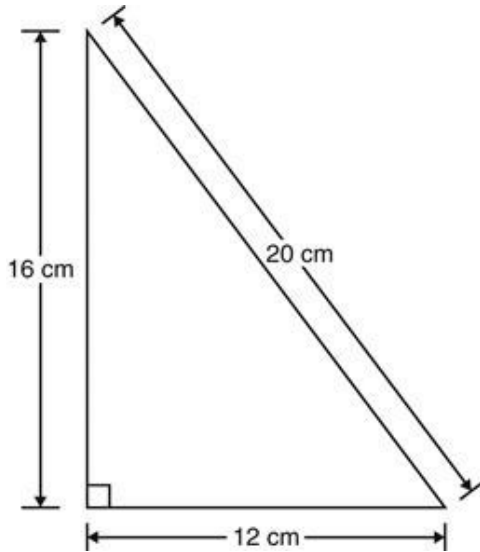
C. 40 units^2

D. 48 units^2

10. **A storage box is shaped like a rectangular prism, as shown below. Skylar stored $\frac{1}{2}$-inch cubes in the box.**
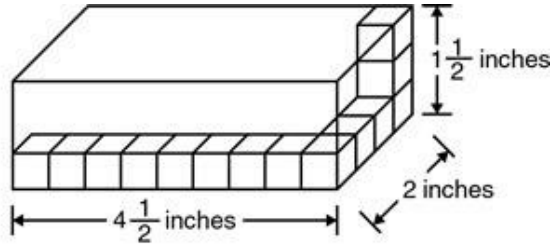
Key: Each ⬜ $= \frac{1}{2}$ inch on each edge

How many cubes are needed to completely fill the box?

A. 108 cubes
B. 72 cubes
C. 54 cubes
D. 16 cubes

11. **The dimensions of a right triangle are shown below.**

What is the area of the triangle?

A. 48 square centimeters
B. 96 square centimeters
C. 192 square centimeters
D. 256 square centimeters

12. **A vertical line segment on a coordinate grid is 11 units long. Which could be the ordered pairs for the endpoints of the line segment?**

A. (1,2) and (12,2)
B. (7,4) and (4,7)
C. (3,6) and (3,5)
D. (2,1) and (2,12)

13. Ms. Bryant puts pens and pencils in gift bags for her students.

   - She has 72 pencils and 54 pens.
   - Each bag will have the same number of pencils.
   - Each bag will have the same number of pens.
   - No pens or pencils will be left over.

   What is the greatest number of gift bags Ms. Bryant can make?

   A. 6

   B. 8

   C. 9

   D. 18

14. What is the location of the opposite of $-(-18)$ on the number line?

   A. 18 units to the right of zero

   B. 18 units to the left of zero

   C. $\dfrac{1}{18}$ unit to the right of zero

   D. $\dfrac{1}{18}$ unit to the left of zero

15. Jason is buying hot dogs and hot dog buns. Hot dogs come in packages of 8 and hot dog buns come in packages of 10. How many packages of each will Jason need to buy so there are no hot dogs or hot dog buns left over?

   A. 6 packages of hot dogs and 5 packages of hot dog buns

   B. 5 packages of hot dogs and 5 packages of hot dog buns

   C. 5 packages of hot dogs and 4 packages of hot dog buns
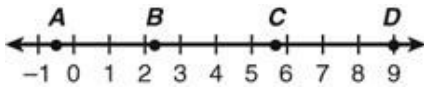
16. **The percent of Florida's total population that lived in four different counties in 2006 are shown below.**

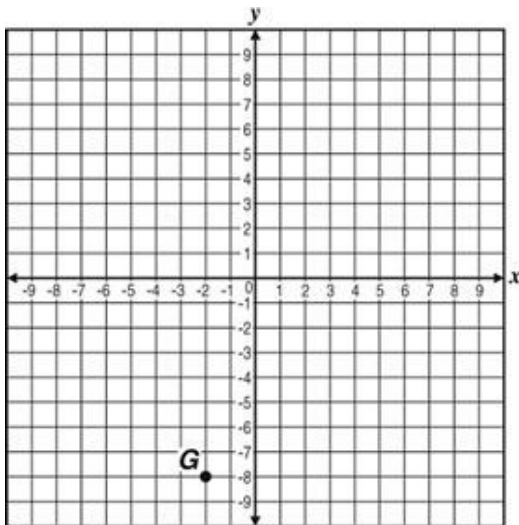| County	Percent of Florida Population
Broward	9.9%
Manatee	1.7%
Miami-Dade	13.1%
Sarasota	2.0%

Which county had the smallest population in 2006?

A. Broward

B. Manatee

C. Miami-Dade

D. Sarasota

17. **Where is $\frac{27}{3}$ located on the graph?**

A. A

B. B

C. C

D. D

18. **What are the coordinates of Point *G*?**

A. (−2, −8)

B. (8, −2)

C. (8, 2)

D. (−8, 2)

19. **Frank is going on a 300-mile trip. If he drives for 2 hours at an average speed of 60 miles per hour, how many miles will he still have left to go on his trip?**

    A. 120
    B. 180
    C. 210
    D. 240

20. What is the unit price if a 4-pack of candy bars sells for $2.12?

    A. $0.53 each

    B. $1.88 each

    C. $8.48 each

21. **A typical serving of fish is 4 ounces. What is this serving size in grams?** $(1 \text{ oz} \approx 28 \text{ g})$

    A. 0.14
    B. 7
    C. 84
    D. 112

22. Jessica can make 2 beaded necklaces in 35 minutes. How long does it take Jessica to make 12 beaded necklaces?

    A. 2 hours 10 minutes

    B. 3 hours

    C. 3 hours 30 minutes

    D. 7 hours

23. **Ms. Jessup wants to hang shades on 25% of the 40 windows in her home. Which is equivalent to 25% of 40?**

    A. $\frac{2}{5}$ of 40

    B. $\frac{25}{75}$ of 40

    C. $\frac{1}{4}$ of 40

    D. $\frac{1}{25}$ of 40

24. **This table shows the amount of dog food that should be fed to a dog based on the dog's weight.**

Brand X Dog Food

Weight of Dog (pounds)	Amount of Dog Food (ounces)
10	5
20	10
30	15
40	20

Which rate describes the relationship between the amount of dog food to feed a dog and the weight of a dog?

A. $\frac{1}{4}$ ounce of food per pound

B. $\frac{1}{2}$ ounce of food per pound

C. 1 ounce of food per pound

D. 2 ounces of food per pound