

Directions: Answer the following question(s).

- 1 Alejandra earned \$37.65 for babysitting her nephew for 3 hours. How much did Alejandra make for an hour of babysitting?
- A. \$40.65  
B. \$112.95  
C. \$12.21  
D. \$12.55  
E. None of the above
- 2 Alyssa fills her backpack of 0.47 kg of oranges, 0.36 kg of ham, and a water bottle that weighs 2.8 kg.
- How heavy are the contents of her backpack?
- A. 0.83 kg  
B. 1.01 kg  
C. 11.1 kg  
D. 3.63 kg  
E. 2.91 kg  
F. None of the above
- 3 Nicole plans to hike 5.2 kilometers to see a waterfall. She stops to rest after hiking 2.68 kilometers.
- How far does she have left?
- A. 2.68 kilometers  
B. 7.7 kilometers  
C. 2.52 kilometers  
D. 2.16 kilometers  
E. None of the above
- 4 A gallon of water at room temperature weighs 9.65 pounds. Eric puts 3.8 gallons of water into a bucket, how much does the water weigh in the bucket?
- A. 13.45 pounds  
B. 36.67 pounds  
C. 5.85 pounds  
D. 2.5 pounds  
E. None of the above

- 5 Sally makes snack bags that contain a box of raisins and a granola bar.
- The granola bar comes 18 to a package and each package of raisins come with 8 boxes.
- What is the least number of boxes of raisins and granola bars do she can have the same number of boxes of raisins and number of granola bars?
- A. 72  
B. 144  
C. 2  
D. 8  
E. None of the above
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- What is the least number of boxes of raisins and granola bars do she can have the same number of boxes of raisins and number of granola bars?
- Answer the questions below:**
- How many packages of raisins will she need?
- How many packages of granola bars will she need?
- A. 18 packages of granola bars  
B. 8 packages of raisins  
C. 9 packages of raisins  
D. 9 packages of granola bars  
E. 4 packages of raisins  
F. 4 packages of granola bars

Directions: Answer the following question(s).

- 7 There are 32 boys and 48 girls in Mr. Wong's class. He wants to group all students so that each group has the same number of boys and girls as the other groups.
- What is the greatest number of groups Mr. Wong can have?
- A. 2  
B. 4  
C. 8  
D. 16  
E. None of the above

- 8 There are 32 boys and 48 girls in Mr. Wong's class. He wants to group all students so that each group has the same number of boys and girls as the other groups.
- What is the greatest number of groups Mr. Wong can have?

**Answer the questions below:**

How many girls are in each group?

How many boys are in each group?

- A. 2 girls  
B. 3 girls  
C. 4 girls  
D. 6 girls  
E. 2 boys  
F. 3 boys  
G. 4 boys  
H. 6 boys

- 9 Six people share three-fourths pound of candy equally.
- How much candy will each person get?
- A.  $4\frac{1}{2}$  pounds of candy  
B. 8 pounds of candy  
C.  $\frac{1}{8}$  pounds of candy  
D. 2 pounds of candy  
E. None of the above

- 10 A box of crackers weighs  $12\frac{3}{4}$  ounces. Alec says one serving is  $\frac{3}{4}$  ounce.
- How many servings are in the box?

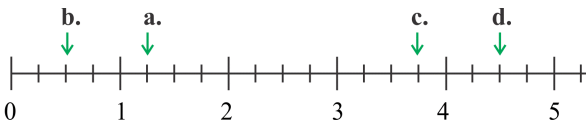
- A. 16 servings  
B. 17 servings  
C.  $9\frac{9}{16}$  servings  
D. 12 servings  
E. None of the above

- 11 It takes Zaven  $1\frac{1}{2}$  hours to make a poster. He worked Monday through Thursday, 6 hours a day.
- How many posters did Zaven make?
- A. 4 posters  
B. 9 posters  
C. 16 posters  
D. 36 posters  
E. None of the above

Directions: Answer the following question(s).

- 12 A tree grows  $2\frac{1}{4}$  feet per year. How long will it take the tree to grow from a height of  $18\frac{3}{4}$  feet to a height of  $34\frac{1}{2}$  feet?
- A. 9 years  
 B. 15 years  
 C. 8 years  
 D. 7 years  
 E. None of the above

- 13 What fraction best represents "a".



- A.  $\frac{1}{2}$   
 B.  $1\frac{1}{4}$   
 C.  $3\frac{3}{4}$   
 D.  $4\frac{1}{2}$
- 14 Which situations represent the integer 5?
- A. A football team loses 5 yards on a play.  
 B. A golfer's score is 5 over par.  
 C. A student answers a 5-point question correctly.  
 D. Mr. Wong loses 5 pounds.  
 E. Mr. Wong deposited 5 dollars to his bank account.

- 15 Write the values in order from greatest to least.

$|-18|$ ,  $|1|$ ,  $|9|$ ,  $|17|$ ,  $|-3|$

- A.  $|-18|$ ,  $|1|$ ,  $|9|$ ,  $|17|$ ,  $|-3|$   
 B.  $|17|$ ,  $|9|$ ,  $|1|$ ,  $|-3|$ ,  $|-18|$   
 C.  $|1|$ ,  $|-3|$ ,  $|9|$ ,  $|17|$ ,  $|-18|$   
 D.  $|-18|$ ,  $|17|$ ,  $|9|$ ,  $|-3|$ ,  $|1|$   
 E.  $|1|$ ,  $|-3|$ ,  $|9|$ ,  $|17|$ ,  $|-18|$

- 16 Use the list to answer the following question.

Elk Grove:  $-25$  degrees

Moosehaven:  $-8$  degrees

Kingston:  $14$  degrees

Reston:  $-13$  degree

National City:  $2$  degrees

According to the chart, order them from least to greatest temperature?

- A. National City, Moosehaven, Reston, Kingston, Elk Grove  
 B. National City, Elk Grove, Kingston, Reston, Moosehaven  
 C. Kingston, National City, Moosehaven, Reston, Elk Grove  
 D. Elk Grove, Reston, Moosehaven, National City, Kingston  
 E. Moosehaven, Reston, Elk Grove, National City, Kingston

Directions: Answer the following question(s).

17 Given the coordinate  $\left(-\frac{3}{4}, 1\frac{1}{4}\right)$

What quadrant is it in?

What is the coordinates of the point reflected across the y-axis?

- A. Quadrant I
- B. Quadrant II
- C. Quadrant III
- D. Quadrant IV
- E.  $\left(\frac{3}{4}, 1\frac{1}{4}\right)$
- F.  $\left(\frac{3}{4}, -1\frac{1}{4}\right)$
- G.  $\left(-\frac{3}{4}, -1\frac{1}{4}\right)$
- H.  $\left(-\frac{3}{4}, 1\frac{1}{4}\right)$

18 Point A and Point B are 6 units apart. The coordinates of Point A are  $(-2, 5)$ . The y-coordinate for Point B is 5.

What are the possible coordinates for Point B?

- A.  $(4, 5)$
- B.  $(-2, 11)$
- C.  $(-2, -1)$
- D.  $(-8, 5)$
- E.  $(3, 5)$
- F.  $(-6, 5)$

19 Point A and Point B are 6 units apart. The coordinates of Point A are  $(-2, 5)$ . The y-coordinate for Point B is 5.

What would the coordinates of Point A be, if it is reflected across the x-axis?

- A.  $(-2, 5)$
- B.  $(5, -2)$
- C.  $(2, 5)$
- D.  $(-2, -5)$
- E. None of the above

20 Point A and Point B are 6 units apart. The coordinates of Point A are  $(-2, 5)$ . The y-coordinate for Point B is 5.

What quadrant is Point A in?

- A. I
- B. II
- C. III
- D. IV
- E. None of the above