

Directions: Answer the following question(s).

1 Write the values in order from greatest to least.

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

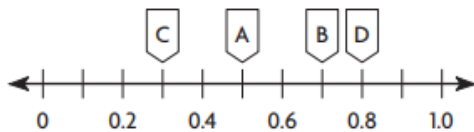
- A.  $|-18|$ ,  $|1|$ ,  $|9|$ ,  $|17|$ ,  $|-3|$
- B.  $|17|$ ,  $|9|$ ,  $|1|$ ,  $|-3|$ ,  $|-18|$
- C.  $|1|$ ,  $|-3|$ ,  $|9|$ ,  $|17|$ ,  $|-18|$
- D.  $|-18|$ ,  $|17|$ ,  $|9|$ ,  $|-3|$ ,  $|1|$
- E.  $|1|$ ,  $|-3|$ ,  $|9|$ ,  $|17|$ ,  $|-18|$

2 Write the values from least to greatest?

$-0.3$ ,  $1.7$ ,  $-1/3$ ,  $3/5$ ,  $0.65$ ,  $-7/5$

- A.  $-0.3$ ,  $1.7$ ,  $-1/3$ ,  $3/5$ ,  $0.65$ ,  $-7/5$
- B.  $-7/5$ ,  $-0.3$ ,  $-1/3$ ,  $3/5$ ,  $0.65$ ,  $1.7$
- C.  $-7/5$ ,  $-1/3$ ,  $-0.3$ ,  $0.65$ ,  $3/5$ ,  $1.7$
- D.  $1.7$ ,  $-7/5$ ,  $-1/3$ ,  $-0.3$ ,  $0.65$ ,  $3/5$ ,
- E.  $-7/5$ ,  $-1/3$ ,  $-0.3$ ,  $3/5$ ,  $0.65$ ,  $1.7$

3 Select all the value(s) that are equivalent to Point C.



- A. 0.8
- B. 0.2
- C. 0.5
- D. 0.3
- E.  $5/10$
- F.  $6/20$
- G.  $14/20$
- H.  $4/5$

4 Solve:

$$15 - (7.2 \div 0.6) \star 0.8$$

- A. 5.4
- B. 10.4
- C. 24
- D. 2.4
- E. 104

5 Which statements are true or false?

- A.  $-2/3$  is between 0 and  $-1$ .
- B.  $-2 \frac{3}{4}$  is between 2 and 3
- C.  $3 \frac{1}{2}$  is between  $-3$  and  $-4$ .
- D.  $-4 \frac{1}{4}$  is between  $-5$  and  $-6$ .
- E.  $-1.2$  is between 0 and  $-1$
- F.  $-1 \frac{1}{3}$  is between  $-1$  and  $-2$

6 Graph the points A(-5, 1), B(-1, 1), C(-1, -3) on a coordinate plane. What would the ordered pair of point D be if figure ABCD is a square?

- A. (3, 5)
- B. (5, -3)
- C. (-5, -1)
- D. (-5, -3)
- E. (-3, -5)

7 Blake's house is located at the point (-3, 5) on a coordinate plane. The location of Tyler's house is a reflection of Blake's house across the y-axis. What quadrant is Tyler's house located?

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

Directions: Answer the following question(s).

8 Which coordinate point(s) are in Quadrant III?

- A. (6, -4)
- B. (-1, -9)
- C. (5, -4)
- D. (-3, 3)
- E. (7, 2)
- F. (-1, -3)
- G. (-5, 2)

9 DVD cases are sold in packages of 16. Padded mailing envelopes are sold in packets of 20. What is the least number of packages of DVD cases you could buy so that there is one case for each envelope with none left over?

- A. 320
- B. 160
- C. 16
- D. 8
- E. 5
- F. 4
- G. 10

10 Four-fifths of the fish in Arden's fish tank are guppies. One-fourth of the guppies are red. What fraction of the fish in Arden's tank are not red?

- A.  $\frac{1}{4}$
- B.  $\frac{3}{4}$
- C.  $\frac{1}{5}$
- D.  $\frac{3}{5}$
- E.  $\frac{4}{5}$

11 The Martinez family is going to a swim meet. They buy 2 cases of water for \$5.99 each and 3 bags of ice for \$2.97 each. Before they leave, they fill up the car with 8.7 gallons of gasoline at a cost of \$3.40 per gallon. How much did the Martinez family spend on the trip to the swim meet?

- A. \$21.06
- B. \$11.98
- C. \$8.91
- D. \$50.47
- E. \$20.89
- F. \$50.37

12 Andrea picked some grapefruit. Each grape fruit was  $\frac{3}{4}$  pounds. When she finishes picking grapefruit, she has a box that weight 17 pounds. How many grapefruit did Andrea pick?

- A. 18 grapefruit
- B. 20 grapefruit
- C. 21 grapefruit
- D. 22 grapefruit
- E. 23 grapefruit
- F. 12 grapefruit

13 Andrea picked some grapefruit. Each grape fruit was  $\frac{3}{4}$  pounds. When she finishes picking grapefruit, she has a box that weight 17 pounds. If the box weighs the extra amount, how much does the box weigh?

- A.  $\frac{1}{4}$  pound
- B.  $\frac{1}{3}$  pound
- C.  $\frac{1}{2}$  pound
- D.  $\frac{2}{3}$  pound
- E.  $\frac{3}{4}$  pound
- F. 1 pound

Directions: Answer the following question(s).

- 14 Five teachers went shopping at a music store. Use the table below to find the correct statement(s) below.

Teacher	Number of DVDs	Total Cost	Average Cost
Mrs. Caruso	4	\$36.52	
Mr. Isaac	5		\$8.77
Mrs. Peranick	5	\$47.25	
Mrs. Robillard	6	\$54.42	
Mr. Wong	7		\$9.13

- A. Mrs. Caruso's average cost was the same as Mr. Wong's average cost.
- B. Mr. Isaac's total cost was \$43.85.
- C. Mrs. Robillard's average cost was \$9.70.
- D. Mr. Isaac's total cost was \$44.85.
- E. Mrs. Robillard's average cost was \$9.07.
- F. Mrs. Caruso's average cost was more than Mr. Wong's average cost.

- 15 Which situation(s) has a unit rate of 1 to 8?

- A. 7 ounces for \$28
- B. 12 pages for 84 minutes
- C. 8 bags for \$64
- D. 4 pounds for \$28
- E. 3 bunches for 24 apples

- 16 Look at the ratios listed below. Select all the ratios that are equivalent to 3:5.

- A. 1:3
- B. 6:10
- C. 21:30
- D. 5:3
- E. 24:40
- F. 9:12
- G. 18:25

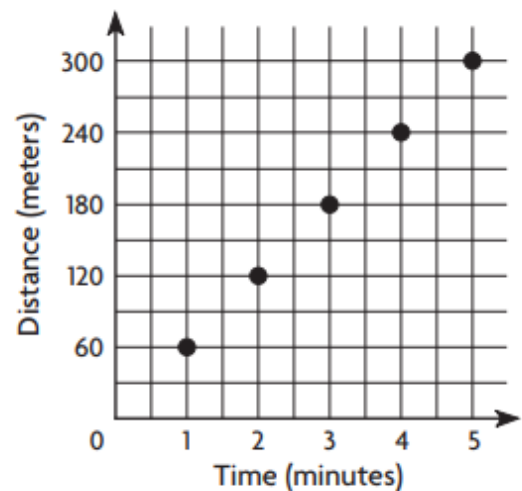
- 17 Nick earns \$50 for babysitting for 8 hours. If Nick charges the same rate, how many hours will it take him to earn \$81.25?

- A. 10 hours
- B. 11 hours
- C. 12 hours
- D. 13 hours
- E. 14 hours

- 18 The Wong's Market store sells plums for \$1.29 per pound. Select all the stores that have a higher unit price.

- A. Store A: \$2.70 for 2 pounds
- B. Store B: \$3.57 for 3 pounds
- C. Store C: \$5.00 for 4 pounds
- D. Store D: \$5.60 for 4 pounds
- E. Store E: \$7.50 for 6 pounds

- 19 Tanner enjoys running. The graph shows how far Tanner ran over time. Find out how far Tanner ran in 9 minutes.



- A. 60 meters
- B. 180 meters
- C. 420 meters
- D. 540 meters
- E. 600 meters
- F. 480 meters

Directions: Answer the following question(s).

20 Hunter has 4 green apples and 5 red apples. Select all the ratios that compares the green apples to the total number of apples.

- A. 4 to 5
- B. 5 to 9
- C. 9 : 5
- D. 4 : 9
- E. 9 to 4
- F. 4 to 9
- G. 4 : 5
- H. 5 : 9

21 The answer to a division problem in David's homework was  $\frac{1}{2}$ . Which of the following equations might he have solved? Select *all* that apply.

- A.  $\frac{4}{10} \div \frac{4}{5}$
- B.  $\frac{3}{4} \div \frac{2}{3}$
- C.  $\frac{3}{9} \div \frac{2}{3}$
- D.  $\frac{7}{14} \div \frac{7}{7}$

22 On Myra's family vacation, her mom drove on the highway at a constant speed of 60 miles per hour. Based on this rate, which of the following times and miles driven are correct? Select two that apply.

- A. 190 miles driven in 3 hours
- B. 150 miles driven in 2.5 hours
- C. 55 miles driven in 45 min
- D. 30 miles driven in 30 min

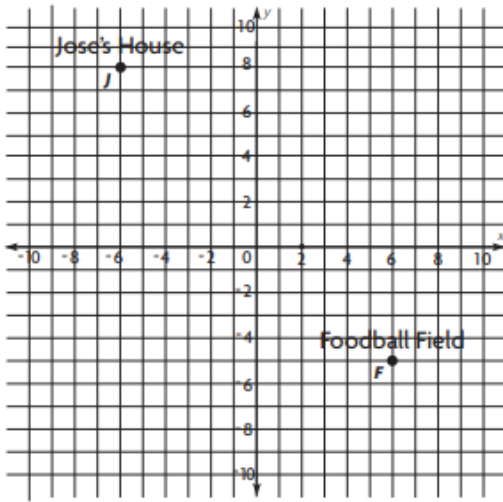
23 Jackson's dad has just opened a sports store and Jackson is helping him price the tennis balls. Jackson's dad has told him they need to charge more than \$2.50 per tennis ball. Jackson has thought of five different rates to charge. Which of the following rates will price tennis balls as greater than \$2.50 per ball? Select *all* that apply.

Choice	Amount Charged
A	\$35 for 12 tennis balls
B	\$49 for 20 tennis balls
C	\$64 for 29 tennis balls
D	\$91 for 36 tennis balls
E	\$105 for 42 tennis balls

- A. Choice A
- B. Choice B
- C. Choice C
- D. Choice D
- E. Choice E

Directions: Answer the following question(s).

24 What is the location of the football field?



- A. (6, 5)
- B. (5, -6)
- C. (-5, 6)
- D. (-6, 8)
- E. (6, -5)
- F. (8, -6)

25 There are 24 sixth grader and 32 seventh graders in the Chess Club. Mr. Isaac wants to organize the club members in to equal-sized groups with no left over students. Each group will only have sixth or only seventh graders. What are the greatest size groups Mr. Isaac can form and how many groups will he have in total?

- A. 28 groups with 2 students in each group
- B. 14 groups with 4 students in each group
- C. 9 groups with 6 students in each group
- D. 7 groups with 8 students in each group
- E. 18 groups with 3 students in each group
- F. 11 groups with 5 students in each group
- G. 8 groups with 7 students in each group