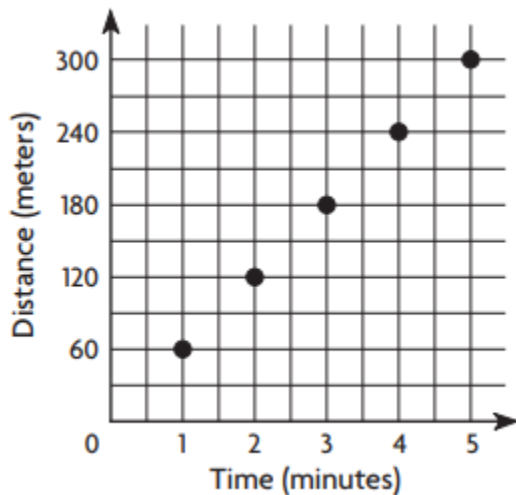


Practice Test Ch 1-4

1. Sam has 3 green apples and 4 red apples. Write the ratio that compares the number of red apples to the total number of apples. List all three ways you can write that ratio.
2. A rabbit runs 35 miles per hour. Select the animals who run at a faster rate than the rabbit.
  - a. Reindeer: 100 miles in 2 hours
  - b. Ostrich: 80 miles in 2 hours
  - c. Zebra: 100 miles in 3 hours
  - d. Squirrel: 36 miles in 3 hours
  - e. Mr. Isaac: 108 miles in 3 hours
3. Tanner enjoys running. The graph shows how far Tanner ran over time. Find out how far Tanner ran in 7 minutes.



4. The corner grocery store sells plums for \$1.19 per pound. Select all the stores that sell plums at a lower unit price.
  - a. Store A: \$2.60 for 2 pounds
  - b. Store B: \$3.48 for 3 pounds
  - c. Store C: \$3.80 for 4 pounds
  - d. Store D: \$5.00 for 4 pounds
  - e. Peranick's: \$6.78 for 6 pounds
5. The Guevara's are driving to the beach. They are traveling at a rate of 60 miles per hour. Make a table and graph the distance traveled over time.
6. Nick earns \$35 for babysitting for 5 hours. If Nick charges the same rate, how many hours will it take him to earn \$56?
7. Look at the numbers listed below. Determine whether each ratio is equivalent to 1:2, 3:9, or 5:6.

2:6, 3:6, 5:10, 10:14, 50:100, 20:28, 1:3, 8:24, 10:12

8. Which situations have a unit rate of 1 to 7?
- 6 ounces for \$24
  - 12 pages for 84 minutes
  - 8 bags for \$40
  - 4 pounds for \$28
  - 3 bunches for 27 apples
9. Adrian said  $\frac{3}{5}$  is equivalent to  $\frac{18}{32}$ . Was Adrian's statement correct? Explain
10. Andrea pick some grapefruit. Each grapefruit was  $\frac{3}{4}$  pound. When she finishes picking grapefruit, she has a box that weighs 14 pounds. How many grapefruit did Andrea pick? If the box weighs the extra amount, how much does the box weigh?
11. Five teachers went shopping at a music store. Use the table to find the total cost of Mr. Wong's purchase.

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

12. The Martinez family is going to a swim meet. They buy 2 case of water for \$3.99 each, 3 bags of ice for \$1.99 each, and a bag of oranges for \$7.99. Before they leave they fill up the car with 10.7 gallons of gasoline at a cost of \$3.80 per gallon. How much did the Martinez family spend on the trip to the swim meet?
13. Two-fifths of the fish in Tatum's fish tank are guppies. One-fourth of the guppies are red. What fraction of the fish in Tatum's tank are not red?
14. There are 20 sixth grader and 25 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?
15. DVD cases are sold in packages of 20. Padded mailing envelopes are sold in packets of 12. What is the least number of packets of envelopes you could buy so that there is one case for each envelope with none left over?
16. Identify the quadrant where each point is located.
- (-5, 2) (6, -4) (-1, -9) (5, -4) (-3, 3) (7, 2)
17. Blake's house is located at the point (2, -5) on a coordinate plane. The location of Tyler's house is a reflection of Blake's house across the x-axis. What is the location of the ordered pair of Tyler's house?
18. Graph the points A(-3, 0), B(0, 0), C(0, -3) on a coordinate plane. What would the ordered pair of point D be if figure ABCD is a square?

19. Use the chart to answer the following question.

Elk Grove:  $-5$  degrees

Moosehaven:  $-18$  degrees

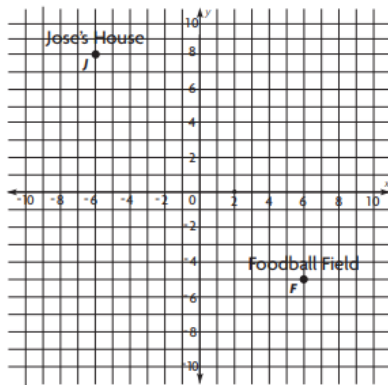
Kingston:  $14$  degrees

Reston:  $1$  degree

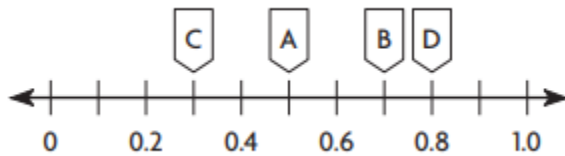
National City:  $-2$  degrees

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

20. What is the location of Jose's house?



21. Which point represents  $14/20$ ?



22.  $22 - (9.2 \div 4) * 8.3$

23. Are the statement true or false?

- a.  $2/5$  is between 0 and  $-1$ .
- b.  $-2 \frac{1}{2}$  is between  $-2$  and  $-3$ .
- c.  $-3 \frac{3}{4}$  is between  $-2$  and  $-3$ .
- d.  $4 \frac{1}{4}$  is between 4 and 5.

24. The answer to a division problem in David's homework was  $\frac{3}{4}$ . Which of the following expressions might he have solved? Select all that apply.

a.  $1\frac{1}{3} \div \frac{1}{3}$

b.  $2\frac{3}{4} \div 3$

c.  $\frac{2}{3} \div \frac{8}{9}$

d.  $\frac{4}{5} \div 1\frac{1}{15}$

e.  $3\frac{1}{6} \div 4\frac{1}{3}$

25. Write the values in order from greatest to least.

$|-13|$ ,  $|15|$ ,  $|-8|$ ,  $|5|$ ,  $|11|$

26. Write the values from least to greatest.

$-0.2$ ,  $1.4$ ,  $-\frac{1}{6}$ ,  $\frac{3}{5}$ ,  $0.65$ ,  $-\frac{6}{4}$