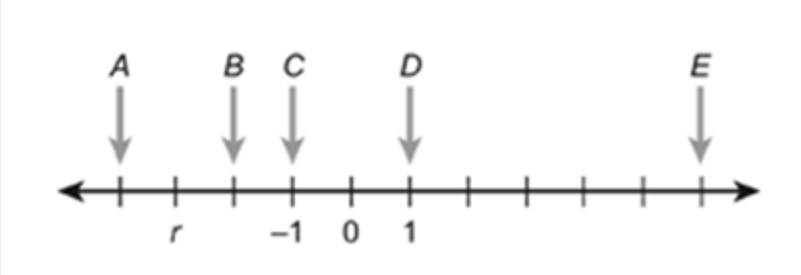
SAT MATH PRACTICE PAPER

Jamal ran a distance of 360 feet. Lonnie ran a distance of 30 yards. What is the ratio of the distance Jamal ran to the distance Lonnie ran?

- 4:1
- 5:1
- 6:1
- 12:1
- 36:1

On the number line below, the arrow corresponding to which letter points to a number that makes the value of (rs)/(r+s) positive?



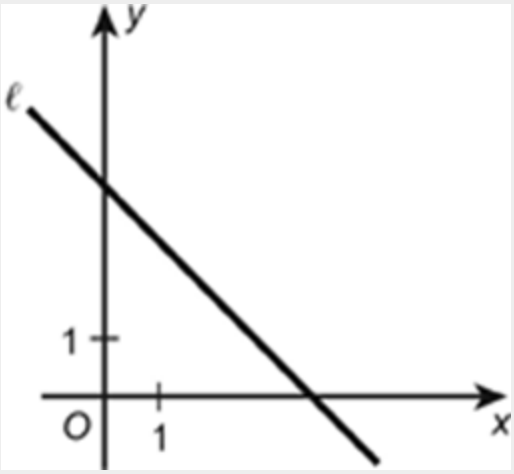
- A
- B
- C
- D
- E

Pat and Lee are removing cartons from a truck. Pat removes 1/8 of the number of cartons from the truck, and Lee removes 1/4 of the number of cartons. After that, there are 40 cartons left in the truck. How many cartons were originally in the truck?

- 55
- 60

- 64
- 65
- 106

The line in the xy-coordinate system below is the graph of the equation y=mx+b. Which of the following must be true?



- mb = 0
- mb = 1
- mb
- b
- m = -b

Luis earns w dollars an hour for 3x hours and then earns y dollars an hour for x more hours. In terms of w, x and y, how many dollars did he earn in all?

- x(3w+y)
- x(w+3y)
- 4x(3w+y)
- 4x(w+y)
- 4x(w+3y)

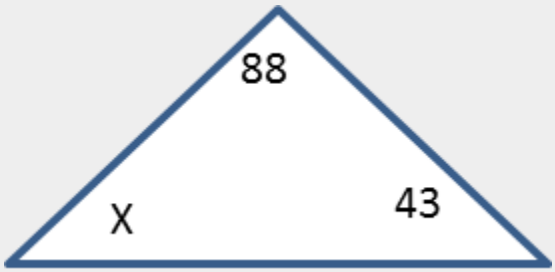
If rs = 4, which of the following CANNOT be a value for s?

- -5
- -4
- -1
- 0
- 1

Julie has cats, fish, and frogs for pets. The number of frogs she has is 1 more than the number of cats, and the number of fish is 3 times the number of frogs. Of the following, which could be the total number of these pets?

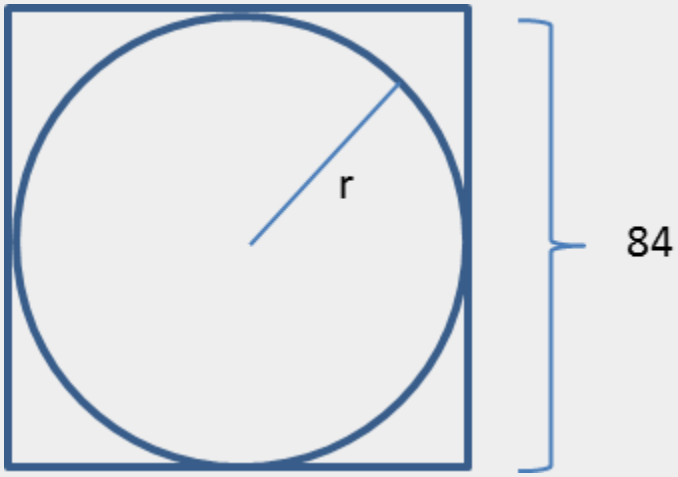
- 15
- 16
- 17
- 18
- 19

In the triangle below, find the measure of angle X.



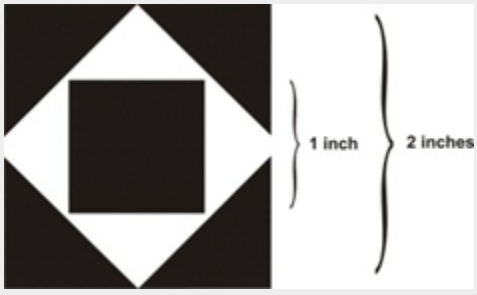
- 50
- 62
- 49
- 88
- None of the above.

If the length of the side of the square is 84, what is the radius, r, of the circle in the figure below?



- 42
- 40
- 84
- 42.5
- None of the above.

Assume that the edge of the smaller shaded square is 1 inch and the edge of the larger square is 2 inch. What percent of the diagram is unshaded?



- 35%
- 30%
- 15%

- 10%
- 25%

Three vases each contain 12 flowers. Some flowers are to be removed from one vase and placed in another vase to make the ratio of flowers in the three vases 3:2:1. What is the least number of flowers that must moved to accomplish this?

- 18
- 12
- 4
- 8
- 6