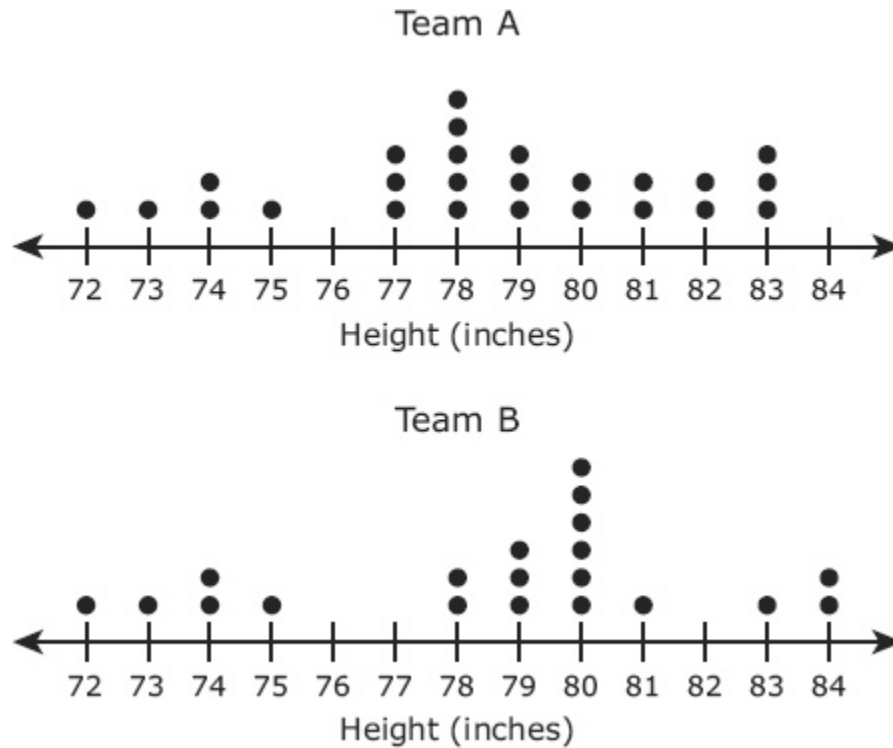


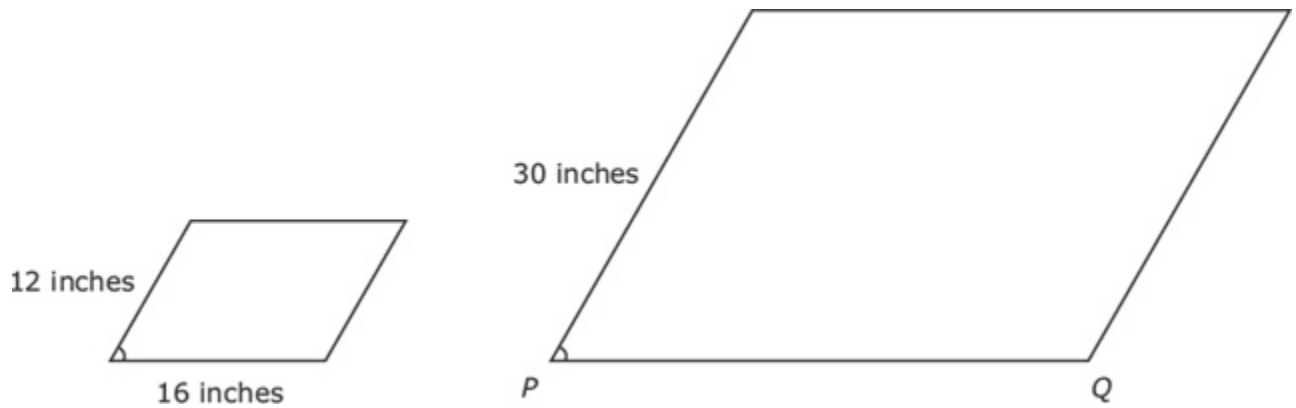
33. The dot plots show the heights of the players on two basketball teams.



Which statement is best supported by these data?

- A. The distributions of the data for Team A and Team B are approximately symmetrical.
- B. The median height of the players on Team B is less than the median height of the players on Team A.
- C. Team B has a greater range in player heights than Team A has.
- D. The mode height of the players on Team B is less than the mode height of the players on Team A.

34. The two parallelograms below are similar.



What is the length in inches of PQ ?

- A. 40 in.
- B. 34 in.
- C. 38 in.
- D. 14 in.

35. Which table contains only values that satisfy the equation $y = 0.5x + 14$?

A.

x	y
0	0
5	35
10	70
15	105
20	140

B.

x	y
0	14
5	39
10	64
15	89
20	114

C.

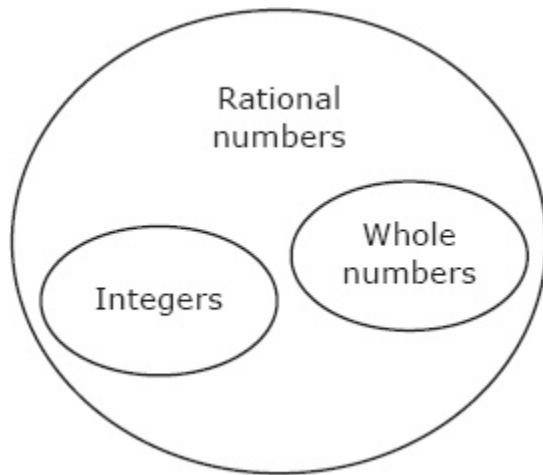
x	y
0	14
5	16.5
10	19
15	21.5
20	24

D.

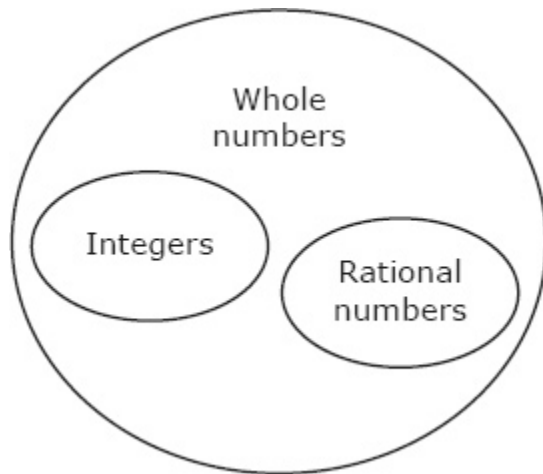
x	y
0	14
5	14.5
10	15
15	15.5
20	16

36. Which diagram best represents the relationship among integers, rational numbers, and whole numbers?

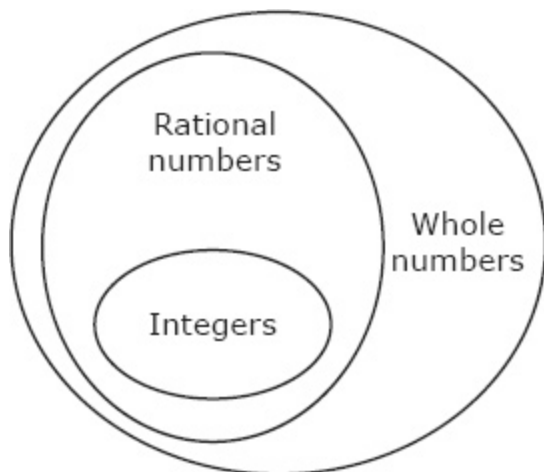
A.



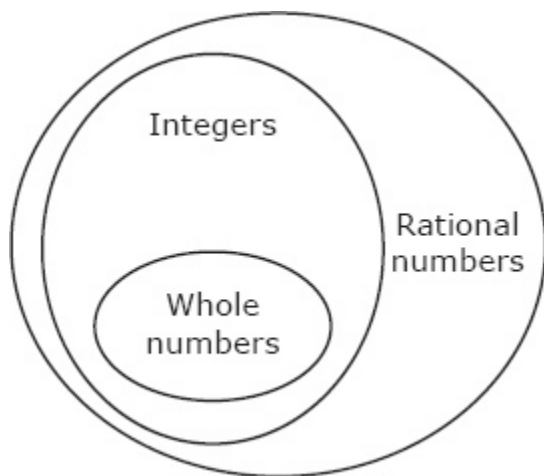
B.



C.



D.



37. What is the value of x in this equation?

$$2x + 2 = -52$$

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

38. A college conducted a survey of randomly selected freshmen about their choice of major. The table shows the results of the survey.

Freshmen Majors

Major	Number of Freshmen
English	50
Science	35
Engineering	40
Business	45
Education	60
Undecided	50
Other	20

Which inference about all freshmen at this college is best supported by this information?

- A. The number of freshmen who chose English as their major is less than the number of freshmen who are Undecided on their major.
- B. The number of freshmen who chose Education as their major is greater than the number of freshmen who chose Science or Other as their major.
- C. The number of freshmen who chose Business or Education as their major is less than the number of freshmen who chose Science or Engineering as their major.
- D. The number of freshmen who chose Business as their major is greater than the number of freshmen who chose English as their major.

39. Felix has a bucket of golf balls. The table shows the number of golf balls of each color in the bucket.

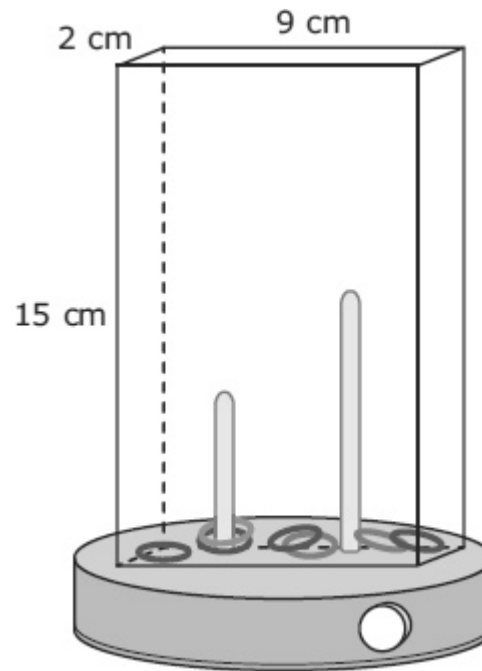
Golf Balls in a Bucket

Color	Number
Pink	4
White	11
Orange	8
Green	18

Felix selects a golf ball at random. Based on the information in the table, which statement is true?

- A. The golf ball is more likely to be green than all other colors combined.
- B. The golf ball is equally likely to be pink, white, orange, or green.
- C. The golf ball is 2 times as likely to be orange as it is to be pink.
- D. The golf ball is 7 times as likely to be green as it is to be white.

40. A ringtoss toy is composed of a rectangular prism on top of a cylinder. The rectangular prism is completely filled with water. The dimensions of the rectangular prism are shown in the diagram.



What is the volume of the rectangular prism in cubic centimeters?

- A. 26 cm^3
- B. 270 cm^3
- C. 165 cm^3
- D. 348 cm^3

