Random Samples & Making Predictions · 1

To find the favorite sport of students at a school, Ana asks the players on the soccer team. Is the sample biased or random?

Random Samples & Making Predictions · 2

In a random sample of 10 voters, 2 support a new park. There are 40 voters in a city. Predict how many of them support a new park.

Random Samples & Making Predictions · 3

To find how many people in a city own a pet, a volunteer surveys people at a dog park. Is the sample biased or random?

Random Samples & Making Predictions · 4

In a random sample of 25 fish, 6 are trout. What percent of the sample are trout?

Random Samples & Making Predictions · 5

In a random sample of 10 voters, 9 support a new park. There are 80 voters in a city. Predict how many of them support a new park.

Random Samples & Making Predictions · 6

In a random sample of 25 voters, 11 support a new park. There are 375 voters in a city. Predict how many of them support a new park.

Random Samples & Making Predictions · 7

To find the most popular book genre, a librarian asks the members of the mystery book club. Is the sample biased or random?

Random Samples & Making Predictions · 8

In a random sample of 10 voters, 7 support a new park. There are 180 voters in a city. Predict how many of them support a new park.

Random Samples & Making Predictions · 2

ANSWER

8

Random Samples & Making Predictions · 1

ANSWER

Biased

Random Samples & Making Predictions · 4

ANSWER

24%

Random Samples & Making Predictions · 3

ANSWER

Biased

Random Samples & Making Predictions · 6

ANSWER

165

Random Samples & Making Predictions · 5

ANSWER

72

Random Samples & Making Predictions · 8

ANSWER

126

Random Samples & Making Predictions · 7

ANSWER

Biased

Random Samples & Making Predictions · 9

To estimate how many light bulbs in a batch are defective, a factory tests 30 bulbs chosen at random from the batch. Is the sample biased or random?

Random Samples & Making Predictions · 10

In a random sample of 50 phones, 26 are defective. What percent of the sample are defective?

Random Samples & Making Predictions · 11

In a random sample of 20 people, 5 have a pet cat. There are 220 people in a town. Predict how many of them have a pet cat.

Random Samples & Making Predictions · 12

In a random sample of 10 phones, 9 are defective. There are 140 phones made at a factory. Predict how many of them are defective.

Random Samples & Making Predictions · 13

In a random sample of 10 phones, 2 are defective. There are 240 phones made at a factory. Predict how many of them are defective.

Random Samples & Making Predictions · 14

To find students' favorite subject, a student surveys only her friends. Is the sample biased or random?

Random Samples & Making Predictions · 15

In a random sample of 20 fish, 10 are trout. What percent of the sample are trout?

Random Samples & Making Predictions · 16

In a random sample of 50 voters, 41 support a new park. There are 650 voters in a city. Predict how many of them support a new park.

Random Samples & Making Predictions · 10

ANSWER

52%

Random Samples & Making Predictions · 9

ANSWER

Random

Random Samples & Making Predictions · 12

ANSWER

126

Random Samples & Making Predictions · 11

ANSWER

55

Random Samples & Making Predictions · 14

ANSWER

Biased

Random Samples & Making Predictions · 13

ANSWER

48

Random Samples & Making Predictions · 16

ANSWER

533

Random Samples & Making Predictions · 15

ANSWER

50%

Random Samples & Making Predictions · 17

In a random sample of 20 students, 3 walk to school. There are 500 students at a school. Predict how many of them walk to school.

Random Samples & Making Predictions · 18

In a random sample of 50 phones, 7 are defective. There are 450 phones made at a factory. Predict how many of them are defective.

Random Samples & Making Predictions · 19

In a random sample of 20 people, 16 have a pet cat. What percent of the sample have a pet cat?

Random Samples & Making Predictions · 20

In a random sample of 50 people, 14 have a pet cat. There are 350 people in a town. Predict how many of them have a pet cat.

Random Samples & Making Predictions · 21

In a random sample of 10 voters, 7 support a new park. There are 60 voters in a city. Predict how many of them support a new park.

Random Samples & Making Predictions · 22

To find the favorite sport of students at a school, Ana draws 40 names from a list of every student and asks them. Is the sample biased or random?

Random Samples & Making Predictions · 23

In a random sample of 10 voters, 7 support a new park. There are 120 voters in a city. Predict how many of them support a new park.

Random Samples & Making Predictions · 24

To find out how students get to school, a teacher asks the students waiting at the bus stop. Is the sample biased or random?

Random Samples & Making Predictions · 18

ANSWER

63

Random Samples & Making Predictions · 17

ANSWER

75

Random Samples & Making Predictions · 20

ANSWER

98

Random Samples & Making Predictions · 19

ANSWER

80%

Random Samples & Making Predictions · 22

ANSWER

Random

Random Samples & Making Predictions · 21

ANSWER

42

Random Samples & Making Predictions · 24

ANSWER

Biased

Random Samples & Making Predictions · 23

ANSWER

84