Task card 1 Random Samples & Making Prediction...

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

Task card 2 Random Samples & Making Prediction...

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.

Task card 3 Random Samples & Making Prediction...

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?

Task card 4 Random Samples & Making Prediction...

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

Task card 5 Random Samples & Making Prediction...

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.

Task card 6 Random Samples & Making Prediction...

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.

Task card 7 Random Samples & Making Prediction...

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

Task card 8 Random Samples & Making Prediction...

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.

Task card 9 Random Samples & Making Prediction...

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?

Task card 10 Random Samples & Making Prediction...

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

Task card 11 Random Samples & Making Prediction...

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.

Task card 12 Random Samples & Making Prediction...

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.

Task card 13 Random Samples & Making Prediction...

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.

Task card 14 Random Samples & Making Prediction...

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

Task card 15 Random Samples & Making Prediction...

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

Task card 16 Random Samples & Making Prediction...

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.

Task card 17 Random Samples & Making Prediction...

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.

Task card 18 Random Samples & Making Prediction...

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.

Task card 19 Random Samples & Making Prediction...

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

Task card 20 Random Samples & Making Prediction...

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.

Task card 21 Random Samples & Making Prediction...

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.

Task card 22 Random Samples & Making Prediction...

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?

Task card 23 Random Samples & Making Prediction...

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.

Task card 24 Random Samples & Making Prediction...

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 Task Cards

Recording sheet · Grade 7 · Answer each question. For biased-or-random questions, answer Biased or Random.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Random Samples & Making Predictions Task Cards: Answer Key

Grade 7 · Easy

The answers online

1. Biased	**2.** 8	**3.** Biased
4. 24%	**5.** 72	**6.** 165
7. Biased	**8.** 126	**9.** Random
10. 52%	**11.** 55	**12.** 126
13. 48	**14.** Biased	**15.** 50%
16. 533	**17.** 75	**18.** 63
19. 80%	**20.** 98	**21.** 42
22. Random	**23.** 84	**24.** Biased