

#1

Choose the best answer

Jayden hands out a single card from a full deck to each student until all the cards are given out, and then selects the students who have hearts. Is this an example of a random sample?

- No
 Yes

Show your work

#2

Choose the best answer

Isabella chose 5 students at random from every class in her grade to rate the material being taught. Is this sample likely to be representative of all the students in her grade?

- No
 Yes

Show your work

#3

Choose the best answer

Caden put equal sized marbles into a bowl. Then, he shook the bowl until 36 marbles fell out. Is this a random sample of the marbles?

- No
 Yes

Show your work

#4

Choose the best answer

At the airport the computer system uses a number generator to flag individuals for extra screening. Will this be a random sample?

- Yes No

Show your work

#5

Choose the best answer

Lauren interviewed every member of her family. Will the results be representative of all families in the neighborhood?

- Yes No

Show your work

#6

Choose the best answer

Makayla has 75 pickles in a bag and she grabs out 20 with her eyes closed. Is this an example of a random sample?

- Yes No

Show your work

#7

Choose the best answer

The city surveys all the kids at the park whether they would like money put towards new equipment. Is this a representative sample of the cities's population?

- Yes No

Show your work

#8

Choose the best answer

You go to every second house on your block to see how people feel about the construction of a new park. Are your results representative of the entire neighborhood?

- No Yes

Show your work

#9

Choose the best answer

A town runs a survey about the effectiveness of its government and gives it to everyone who shows up for a town meeting. Is the sample biased?

- No Yes

Show your work

#10

Choose the best answer

Christopher collects some statistics from all the kids in grade 1 on much they like the school. Is this a random sample of students in the school?

- No Yes

Show your work

#11

Choose the best answer

The city sends surveyors out to knock on doors in every neighborhood and ask opinions about building a new arena. Is the sample going to be biased?

- No Yes

Show your work

#12

Choose the best answer

Is picking names that are all on the same sized pieces of paper out of a hat to win a car a random sample?

- Yes No

Show your work

Question	Answer
#1	choice 2
#2	choice 2
#3	choice 2
#4	choice 1
#5	choice 2
#6	choice 1
#7	choice 2
#8	choice 2
#9	choice 2
#10	choice 1
#11	choice 1
#12	choice 1