

#1

Choose the best answer

Out of 12 books, Yule skimmed 5 pages from the 3 books that had the most interesting covers. Is this a random sample of the books?

- No Yes

Show your work

#2

Choose the best answer

The mayor of a small town wants to know how well he is liked. Mayor Tyler surveys his own neighborhood to see who likes him. Is the sample going to be biased?

- No Yes

Show your work

#3

Choose the best answer

A teacher randomly assigns a number to each student, and chooses every tenth number to do a quiz. Is this a random sample?

- No Yes

Show your work

#4

Choose the best answer

Samantha has every third student in her grade fill out a survey. Will the results be representative of her grade?

- No
 Yes

Show your work

#5

Choose the best answer

Jack has every third student in his grade fill out a survey. Will the results be representative of his grade?

- Yes
 No

Show your work

#6

Choose the best answer

Biologists check the health of the rainforest every year. They do this by measuring the health in several random locations throughout the forest. Are their results representative of the entire forest?

- No
 Yes

Show your work

#7

Choose the best answer

A researcher has 6 different exams, and for each participant they roll a dice and give them the corresponding test number. Will they get a random sample of tests?

- No Yes

Show your work

#8

Choose the best answer

Biologists check the health of the rainforest every year. They do this by measuring the health in several random locations throughout the forest. Are their results representative of the entire forest?

- Yes No

Show your work

#9

Choose the best answer

The city randomly selects 20 homes from each neighborhood to do a survey. Will the results be representative of the cities neighborhoods?

- Yes No

Show your work

#10

Choose the best answer

Ryan asked 74 members of every sports team on their thoughts about the gym. Is this a biased sample of what the sports teams think of the gym?

- Yes No

Show your work

#11

Choose the best answer

A researcher has 6 different exams, and for each participant they roll a dice and give them the corresponding test number. Will they get a random sample of tests?

- Yes No

Show your work

#12

Choose the best answer

The government runs a phone survey. Is this sample biased?

- No Yes

Show your work

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