



Probability Random Variables - Experiment and X Definition to X Value

List

1

Which set lists all the values X can take?

Experiment: spin a spinner 4 times. Let X = the number of times it lands on red. What values can X take?

A	{0, 1, 2, 3, 4, 5}
B	{0, 1, 2, 3, 4}
C	{1, 2, 3, 4, 5}
D	{1, 2, 3, 4}

2

Which set lists all the values X can take?

Experiment: flip 2 coins. Let X = the number of heads. What values can X take?

A	{0, 1, 2, 3}	B	{1, 2}
C	{0, 1, 2}	D	{1, 2, 3}

3

Which set lists all the values X can take?

Experiment: flip 2 coins. Let X = the number of tails. What values can X take?

A	{1, 2, 3}	B	{1, 2}
C	{0, 1, 2}	D	{0, 1, 2, 3}

4

Which set lists all the values X can take?

Experiment: draw 4 cards. Let X = the number of hearts drawn. What values can X take?

A	{1, 2, 3, 4, 5}
B	{0, 1, 2, 3, 4}
C	{1, 2, 3, 4}
D	{0, 1, 2, 3, 4, 5}

5

Which set lists all the values X can take?

Experiment: flip 5 coins. Let X = the number of tails. What values can X take?

A	{1, 2, 3, 4, 5}
B	{0, 1, 2, 3, 4, 5}
C	{1, 2, 3, 4, 5, 6}
D	{0, 1, 2, 3, 4, 5, 6}

6

Which set lists all the values X can take?

Experiment: flip 3 coins. Let X = the number of tails. What values can X take?

A	{0, 1, 2, 3, 4}	B	{1, 2, 3, 4}
C	{0, 1, 2, 3}	D	{1, 2, 3}

7

Which set lists all the values X can take?

Experiment: draw 5 cards. Let X = the number of hearts drawn. What values can X take?

A	{1, 2, 3, 4, 5, 6}
B	{1, 2, 3, 4, 5}
C	{0, 1, 2, 3, 4, 5}
D	{0, 1, 2, 3, 4, 5, 6}

8

Which set lists all the values X can take?

Experiment: roll 3 dice. Let X = the number of sixes rolled. What values can X take?

A	{0, 1, 2, 3}	B	{1, 2, 3}
C	{1, 2, 3, 4}	D	{0, 1, 2, 3, 4}