Sample Spaces: Lists, Tables & Tree Diagrams · 1

You choose one of 3 shirts and one of 3 pairs of pants. How many different outfits are possible?

Sample Spaces: Lists, Tables & Tree Diagrams · 2

You flip a coin and roll a number cube. What is the probability of getting heads and an odd number?

Sample Spaces: Lists, Tables & Tree Diagrams · 3

You flip a coin and roll a number cube. What is the probability of getting tails and a multiple of 3?

Sample Spaces: Lists, Tables & Tree Diagrams · 4

You spin a spinner with 8 equal sections and then flip a coin. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 5

You spin a spinner with 5 equal sections and then roll a number cube. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 6

You spin a spinner with 4 equal sections and then pick a card from 4 cards numbered 1 to 4. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 7

You spin a spinner with 4 equal sections and then flip a coin. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 8

You choose one of 6 shirts and one of 2 pairs of pants. How many different outfits are possible?

Sample Spaces: Lists, Tables & Tree Diagrams · 2

ANSWER

$\frac{1}{4}$

Sample Spaces: Lists, Tables & Tree Diagrams · 1

ANSWER

9

Sample Spaces: Lists, Tables & Tree Diagrams · 4

ANSWER

16

Sample Spaces: Lists, Tables & Tree Diagrams · 3

ANSWER

$\frac{1}{6}$

Sample Spaces: Lists, Tables & Tree Diagrams · 6

ANSWER

16

Sample Spaces: Lists, Tables & Tree Diagrams · 5

ANSWER

30

Sample Spaces: Lists, Tables & Tree Diagrams · 8

ANSWER

12

Sample Spaces: Lists, Tables & Tree Diagrams · 7

ANSWER

8

Sample Spaces: Lists, Tables & Tree Diagrams · 9

You choose one of 6 shirts and one of 5 pairs of pants. How many different outfits are possible?

Sample Spaces: Lists, Tables & Tree Diagrams · 10

You spin a spinner with 4 equal sections and then roll a number cube. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 11

You choose one of 3 shirts and one of 5 pairs of pants. How many different outfits are possible?

Sample Spaces: Lists, Tables & Tree Diagrams · 12

You flip a coin and roll a number cube. What is the probability of getting tails and a number less than 5?

Sample Spaces: Lists, Tables & Tree Diagrams · 13

You flip three coins. There are 8 outcomes (HHH, HHT, ...). What is the probability of getting exactly 2 heads?

Sample Spaces: Lists, Tables & Tree Diagrams · 14

You flip a coin and roll a number cube. What is the probability of getting heads and a 6?

Sample Spaces: Lists, Tables & Tree Diagrams · 15

You flip a coin and roll a number cube. What is the probability of getting tails and a number greater than 4?

Sample Spaces: Lists, Tables & Tree Diagrams · 16

You choose one of 4 shirts and one of 4 pairs of pants and one of 3 hats. How many different outfits are possible?

Sample Spaces: Lists, Tables & Tree Diagrams · 10

ANSWER

24

Sample Spaces: Lists, Tables & Tree Diagrams · 9

ANSWER

30

Sample Spaces: Lists, Tables & Tree Diagrams · 12

ANSWER

$$\frac{1}{3}$$

Sample Spaces: Lists, Tables & Tree Diagrams · 11

ANSWER

15

Sample Spaces: Lists, Tables & Tree Diagrams · 14

ANSWER

$$\frac{1}{12}$$

Sample Spaces: Lists, Tables & Tree Diagrams · 13

ANSWER

$$\frac{3}{8}$$

Sample Spaces: Lists, Tables & Tree Diagrams · 16

ANSWER

48

Sample Spaces: Lists, Tables & Tree Diagrams · 15

ANSWER

$$\frac{1}{6}$$

Sample Spaces: Lists, Tables & Tree Diagrams · 17

You choose one of 3 shirts and one of 3 pairs of pants and one of 2 hats. How many different outfits are possible?

Sample Spaces: Lists, Tables & Tree Diagrams · 18

You spin a spinner with 6 equal sections and then flip a coin. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 19

You spin a spinner with 3 equal sections and then roll a number cube. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 20

You spin a spinner with 8 equal sections and then pick a card from 4 cards numbered 1 to 4. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 21

You choose one of 5 shirts and one of 3 pairs of pants. How many different outfits are possible?

Sample Spaces: Lists, Tables & Tree Diagrams · 22

You choose one of 2 shirts and one of 2 pairs of pants and one of 3 hats. How many different outfits are possible?

Sample Spaces: Lists, Tables & Tree Diagrams · 23

You flip three coins. There are 8 outcomes (HHH, HHT, …). What is the probability of getting no heads?

Sample Spaces: Lists, Tables & Tree Diagrams · 24

You spin a spinner with 3 equal sections and then flip a coin. How many outcomes are in the sample space?

Sample Spaces: Lists, Tables & Tree Diagrams · 18

ANSWER

12

Sample Spaces: Lists, Tables & Tree Diagrams · 17

ANSWER

18

Sample Spaces: Lists, Tables & Tree Diagrams · 20

ANSWER

32

Sample Spaces: Lists, Tables & Tree Diagrams · 19

ANSWER

18

Sample Spaces: Lists, Tables & Tree Diagrams · 22

ANSWER

12

Sample Spaces: Lists, Tables & Tree Diagrams · 21

ANSWER

15

Sample Spaces: Lists, Tables & Tree Diagrams · 24

ANSWER

6

Sample Spaces: Lists, Tables & Tree Diagrams · 23

ANSWER

$$\frac{1}{8}$$