Task card 1 Sample Spaces: Lists, Tables & Tre...

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

Task card 2 Sample Spaces: Lists, Tables & Tre...

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

Task card 3 Sample Spaces: Lists, Tables & Tre...

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

Task card 4 Sample Spaces: Lists, Tables & Tre...

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

Task card 5 Sample Spaces: Lists, Tables & Tre...

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

Task card 6 Sample Spaces: Lists, Tables & Tre...

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?

Task card 7 Sample Spaces: Lists, Tables & Tre...

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

Task card 8 Sample Spaces: Lists, Tables & Tre...

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

Task card 9 Sample Spaces: Lists, Tables & Tre...

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

Task card 10 Sample Spaces: Lists, Tables & Tre...

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

Task card 11 Sample Spaces: Lists, Tables & Tre...

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

Task card 12 Sample Spaces: Lists, Tables & Tre...

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

Task card 13 Sample Spaces: Lists, Tables & Tre...

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

Task card 14 Sample Spaces: Lists, Tables & Tre...

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

Task card 15 Sample Spaces: Lists, Tables & Tre...

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

Task card 16 Sample Spaces: Lists, Tables & Tre...

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

Task card 17 Sample Spaces: Lists, Tables & Tre...

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

Task card 18 Sample Spaces: Lists, Tables & Tre...

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

Task card 19 Sample Spaces: Lists, Tables & Tre...

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

Task card 20 Sample Spaces: Lists, Tables & Tre...

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?

Task card 21 Sample Spaces: Lists, Tables & Tre...

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

Task card 22 Sample Spaces: Lists, Tables & Tre...

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

Task card 23 Sample Spaces: Lists, Tables & Tre...

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

Task card 24 Sample Spaces: Lists, Tables & Tre...

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 Task Cards

Recording sheet · Grade 7 · Find the sample space (all the possible outcomes), then answer the question. Write probabilities as fractions in simplest form.

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

Sample Spaces: Lists, Tables & Tree Diagrams Task Cards: Answer Key

Grade 7 · Medium

The answers online

1. 9	**2.** $\frac{1}{4}$	**3.** $\frac{1}{6}$
4. 16	**5.** 30	**6.** 16
7. 8	**8.** 12	**9.** 30
10. 24	**11.** 15	**12.** $\frac{1}{3}$
13. $\frac{3}{8}$	**14.** $\frac{1}{12}$	**15.** $\frac{1}{6}$
16. 48	**17.** 18	**18.** 12
19. 18	**20.** 32	**21.** 15
22. 12	**23.** $\frac{1}{8}$	**24.** 6