Task card 1 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 2 Sample Spaces: Lists, Tables & Tre...

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

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

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

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

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

Task card 5 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 6 Sample Spaces: Lists, Tables & Tre...

You choose one of 4 shirts and one of 4 pairs of pants and one of 2 hats. How many different outfits are possible?

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

You choose one of 6 shirts and one of 5 pairs of pants and one of 3 hats. How many different outfits are possible?

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

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

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

You flip three coins. There are 8 outcomes (HHH, HHT, ...). What is the probability of getting exactly 1 head?

Task card 10 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 11 Sample Spaces: Lists, Tables & Tre...

You flip three coins. There are 8 outcomes (HHH, HHT, ...). What is the probability of getting at least 1 tail?

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

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

Task card 13 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 14 Sample Spaces: Lists, Tables & Tre...

You choose one of 3 shirts and one of 4 pairs of pants and one of 2 hats. How many different outfits are possible?

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

You flip three coins. There are 8 outcomes (HHH, HHT, ...). What is the probability of getting 3 heads?

Task card 16 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 17 Sample Spaces: Lists, Tables & Tre...

You choose one of 6 shirts and one of 5 pairs of pants and one of 2 hats. How many different outfits are possible?

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

You choose one of 3 shirts and one of 5 pairs of pants and one of 2 hats. How many different outfits are possible?

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

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

Task card 20 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 21 Sample Spaces: Lists, Tables & Tre...

You choose one of 5 shirts and one of 4 pairs of pants and one of 2 hats. How many different outfits are possible?

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

You choose one of 4 shirts and one of 5 pairs of pants and one of 3 hats. How many different outfits are possible?

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

You choose one of 4 shirts and one of 2 pairs of pants and one of 2 hats. How many different outfits are possible?

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

You choose one of 5 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 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 · Hard

The answers online

1. $\frac{3}{8}$	**2.** 24	**3.** 36
4. $\frac{1}{4}$	**5.** $\frac{1}{12}$	**6.** 32
7. 90	**8.** 45	**9.** $\frac{3}{8}$
10. $\frac{1}{4}$	**11.** $\frac{7}{8}$	**12.** 12
13. $\frac{1}{6}$	**14.** 24	**15.** $\frac{1}{8}$
16. $\frac{1}{3}$	**17.** 60	**18.** 30
19. 45	**20.** $\frac{1}{8}$	**21.** 40
22. 60	**23.** 16	**24.** 30