Making a table is one way to determine all of the possible

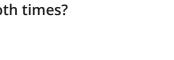
PROBABILITIES OF COMPOUND EVENTS

You can find the **probability of compound events** in the same way you find the probability of simple events! Write it as a fraction with the number of favorable outcomes over the number of possible outcomes in the sample space.

outcomes in the sample space.

Let's try it!

You flip a coin twice. What is the probability you get tails both times?





	Heads (H)	Tails (T)
Heads (H)	Н, Н	Н, Т
Tails (T)	Т, Н	Т, Т

The table shows the 4 outcomes in the sample space. The outcome H, T means you get heads on the first flip and tails on the second flip.

There is 1 favorable outcome: T, T.

So, the probability of getting two tails when you flip a coin twice is $\frac{1}{4}$.

Find each probability by first determining the sample space. Use a table, tree diagram, or organized list to help you. Write each probability as a simplified fraction.

1) Owen spins the spinner below twice. What is the probability that he lands on 1 and then 3?



2) Tanesha flips a coin and then rolls a six-sided die. What is the probability that the coin lands on heads and the die lands on 4?

PROBABILITIES OF COMPOUND EVENTS

Keep going! Find each probability by first determining the sample space. Use a table, tree diagram, or organized list to help you. Write each probability as a simplified fraction.

