

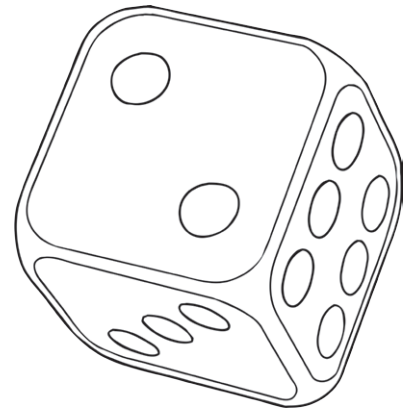
Dice Roll Investigation

I can identify events where the chance of one will not be affected by the occurrence of the other.
(ACMSP094)

Roll one dice 12 times and record each roll as a tally mark.

Equipment I will need:

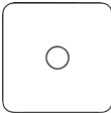
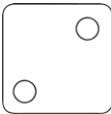
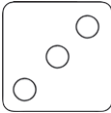
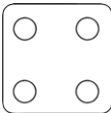
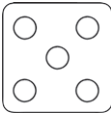
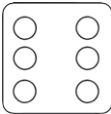
- 1 x dice
- Pencil
- Activity sheet



Instructions:

1. Roll the dice.
2. Record the number shown as a tally mark in the correct space in the table below.
3. Repeat steps 1 and 2 eleven more times (so that you have rolled the dice 12 times).

Dice Roll Results for 12 rolls:

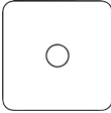
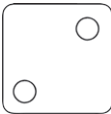
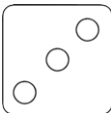
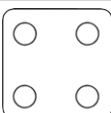
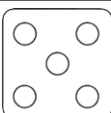
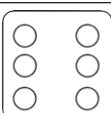
Number		Tally
1		
2		
3		
4		
5		
6		

You are now going to repeat the investigation but for 24 rolls. Make a prediction on what you think the results will be. Will it be the same as your first set? Why/why not?

My prediction is: _____

Dice Roll Investigation

Dice Roll Results for 24 rolls:

Number		Tally
1		
2		
3		
4		
5		
6		

Was your prediction correct? Why/why not?

If you were to complete this chance experiment again for 48 rolls, do you think the results would be the same? Why/why not?

If you rolled the number 5 ten times, does this mean that the number 5 will be rolled the same number of times the next time you complete this activity? Why/why not?

