



Hello children! Today I am playing with dice.
Will you join me?



Task 1 - Totals

I rolled 2 dice.



The **total** number of spots on my dice is **11**.

Now, please help me out with the below questions.

- What is the largest total that can be made with 2 dice?
- What is the smallest total that can be made with 2 dice?
- What are all the different totals that can be made with 2 dice?
Example $6 + 5 = 11$
- What are the smallest and largest totals that can be made with 3 dice and with 4 dice?

Task 2: Dice Investigation



Resources needed for this investigation:

1 dice 

A copy of the chart below

Directions:

- Roll the dice 60 times.
- Record the number shown on the dice every time it is rolled by using tally marks, in the corresponding space, in the table below.
- Below is an example of how it should look like.

Tally -

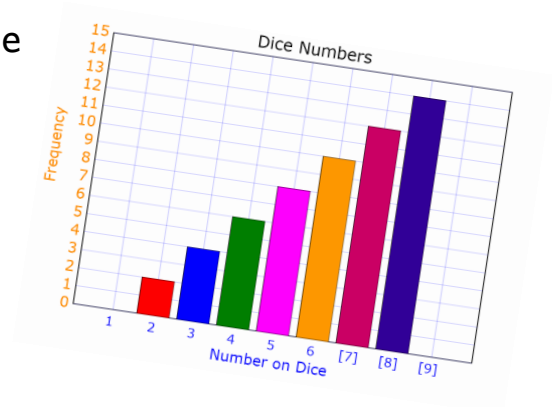
1	2	3	4
5	6	7	8
9	10	11	12

Answer	Tally	Frequency
1		
2		
3		
4		
5		
6		
	Total Frequency	60

Now, plot a bar graph to show your results on the page provided or on a squared paper.

Remember –

- Name your graph.
- Think about the best scale to use.



Look carefully at your table and graph then answer the below questions:

- Are the bars all of the same height? Yes or No? Why do you think this is so?
- Which number was rolled most often?
- Which number was rolled less often?
- Write a sentence about your graph.
- Do you think you will get the same results if you rolled the dice again for another 60 times? Why?