

## Challenge

### What Will Happen?

Roll two number cubes 10 times each. Keep track of the totals. Tally the total of the two cubes in Tally Chart 1.

What total did you roll the most? \_\_\_\_\_

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

What total do you predict you will roll the most in Tally Chart 2? \_\_\_\_\_

Tally the totals in Tally Chart 2.

Did the prediction happen? \_\_\_\_\_

**Write About It** Do you think it would be more likely or less likely to make a closer prediction if you rolled the number cube 50 times?

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What total did you roll the most? \_\_\_\_\_

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

What total do you predict you will roll the most in Tally Chart 2? \_\_\_\_\_

Tally the totals in Tally Chart 2.

Did the prediction happen? \_\_\_\_\_

**Write About It** Do you think it would be more likely or less likely to make a closer prediction if you rolled the number cube 50 times? **Accept all reasonable answers.**

**Children should be able to recognize that the more times they roll the cube, the closer their predictions will be.**