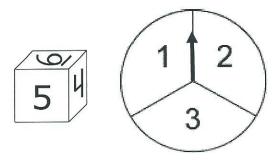
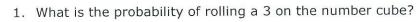
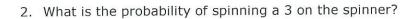
Modeling Probability

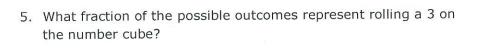
Mr. Moreland rolls a fair number cube with faces numbered 1 through 6 and spins a spinner. The cube and the spinner are shown here.

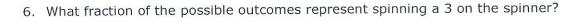




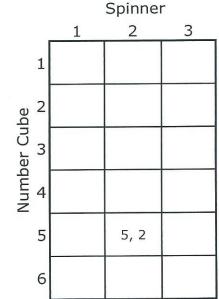


- 3. Complete the area model to determine the possible outcomes if a number cube is rolled and the spinner above is spun. One of the cells has already been completed.
- 4. How many possible outcomes are there?









1

Possibilities!

Craig was playing a game that required him to roll a number cube then draw a card at random. The number cube and cards are shown below.









1. Complete the area model to determine the possible outcomes if a number cube is rolled and then a card is drawn at random. Some of the cells have already been completed for you.

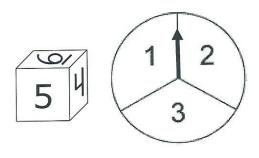
Color Cards

		Red	Yellow	Green
Number Cube	1			
	2		2, Yellow	
	3			
	4	4, Red		
	5			5, Green
	6			

- 2. How many possible outcomes are there?
- 3. What is the probability of rolling a 4 and drawing a yellow card?
- 4. What is the probability of rolling an even number and drawing a yellow card?

Probability Area Models (p 1)

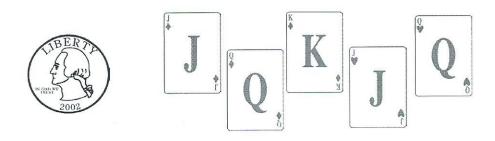
Mr. Moreland rolls a fair number cube with faces numbered 1 through 6 and spins a spinner. The cube and the spinner are shown here.

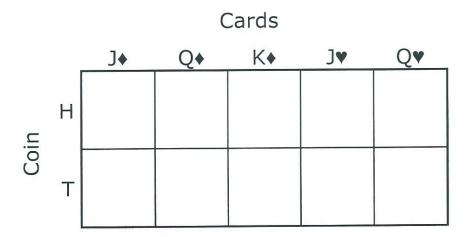


		1	S	pinn 2	er	3
Number Cube	1					
	2					
	3					
	4					
	5			5,	2	
	6					

Probability Area Models (p 2)

Duncan flips a fair coin and draws a card. The coin and cards are shown here.





 $P(Heads) \times P(Jack)$

1