

## PROBABILITY SPACES

A fair dice is rolled and a fair coin is tossed.

Complete all possible outcomes in the table below:

	1	2	3	4	5	6
Head (H)						
Tail (T)						

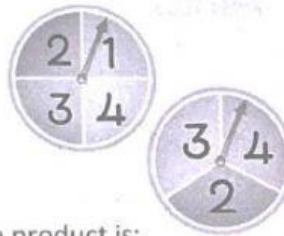
Find the probability of getting:

- a) a Head and 4 = \_\_\_\_\_  
 b) a Tail and an odd number = \_\_\_\_\_  
 c) a Head = \_\_\_\_\_ d) a Tail = \_\_\_\_\_  
 e) a Tail and a factor of 6 = \_\_\_\_\_

The two spinners shown are spun at the same time.

The two numbers are multiplied. Complete all possible outcomes in the table below:

x	1	2	3	4
2				
3				
4				



Find the probability that the product is:

- a) 6 = \_\_\_\_\_ b) odd = \_\_\_\_\_  
 c) prime = \_\_\_\_\_ d) 9 = \_\_\_\_\_  
 e) a factor of 12 = \_\_\_\_\_ f) even = \_\_\_\_\_  
 g) 5 = \_\_\_\_\_ h) negative = \_\_\_\_\_  
 i) < 10 = \_\_\_\_\_ j) < 5 = \_\_\_\_\_

3. A coin is tossed (1—tails, 2—heads) and a fair die is tossed and the amounts added. Complete all possible outcomes in the table:

	1	2	3	4	5	6
Heads						
Tails						

Find the probability that the score is:

- a) 4 = \_\_\_\_\_ b) 6 = \_\_\_\_\_ c) 8 = \_\_\_\_\_  
 d) even = \_\_\_\_\_ e) less than 10 = \_\_\_\_\_