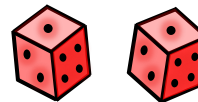


Dice Probability (B)

ANSWERS



Two fair dice are thrown and the scores are **ADDED** together.

- Complete the sample space diagram
- How many outcomes are there? **36**
- What is the probability of getting a score of '5'? **$4/36$**
- What is the probability of getting a score greater than '9'? **$6/36$**
- What is the probability of getting a score less than '7'? **$15/36$**

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

Two fair dice are thrown and the scores are **MULTIPLIED** together.

- Complete the sample space diagram
- How many outcomes are there? **36**
- What is the probability of getting a score of '6'? **$4/36$**
- What is the probability of getting a score greater than '16'? **$10/36$**
- What is the probability of getting a score less than '4'? **$5/36$**

	1	2	3	4	5	6
	2	4	6	8	10	12
	3	6	9	12	15	18
	4	8	12	16	20	24
	5	10	15	20	25	30
	6	12	18	24	30	36

A six-faced dice and a four-faced dice are thrown. The first score is **SUBTRACTED FROM** the second score.

- Complete the sample space diagram
- How many outcomes are there? **24**
- What is the probability of getting a negative score? **$14/24$**
- What is the probability of getting a score ≥ 0 ? **$10/24$**

		First score					
Second score		0	-1	-2	-3	-4	-5
		1	0	-1	-2	-3	-4
		2	1	0	-1	-2	-3
		3	2	1	0	-1	-2