

UNIT 5 *Probability*

Overhead Slides

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- 5.1 Outcomes
- 5.2 Events involving probability
- 5.3 Tossing three coins
- 5.4 Tossing two dice

OS 5.1

Outcomes

	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						

OS 5.2

Events involving probability

Discuss how probability is involved in each of the following.

Some points which may be emphasised include:

- * Which events are random events?
 - * Which of the situations involve the use of statistical data from previous events?
 - * In which of the events is the probability related to skill, and how could these probabilities be altered?
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- I will be Prime Minister next year
 - Night follows day
 - Tom, aged 18, pays twice as much for his car insurance as Jim, aged 40, even though he has the same type of car
 - Weather reports on the television
 - Horse racing
 - I will win the national lottery first prize this week
 - Bingo
 - I will pass my GCSE mathematics examination
 - Anne, a smoker, pays 25% more for her life insurance policy than Carl who does not smoke
 - England beating Australia at cricket
 - Peter is 15 years old and Kim is 4 years old. Peter always wins when they play at 'Snap'
 - England will win the next football World Cup

OS 5.3*Tossing three coins*

Toss three coins on to the table.

Record the number of heads uppermost by shading a square in the correct column. Repeat the experiment 20 times.

0**1****2****3**
