

## UNIT 5 *Probability*

## Overhead Slides

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### **Overhead Slides**

- 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*

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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.

<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>

## OS 5.4

### *Tossing two dice*

Throw the two dice.

Record the total by shading a square in the correct column.

Repeat the experiment 40 times.

[illegible]