**Probability**









**Probability 1 check-up**

Classify these future events under the headings:

Impossible, unlikely, equal chance, likely, certain

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| It will rain tomorrow. | I will win the lottery this weekend. | I will walk to France in the summer. | The sun will rise on Friday. | If I toss a coin it will come up heads. |
| If I roll a die it will come up with an odd number. | Next week the day after Monday will be Tuesday. | Next year the first month will be March. | Next year Christmas Day will be in December. | My birthday will never be at the weekend. |

**Stretch and challenge**

**Exam Questions L2**

Q1.

Jane buys the compost from a garden centre.

The checkout assistant sells tickets for a prize draw.
Jane buys 5 tickets.

1000 tickets are sold in total.

One ticket picked at random will win a prize.

(b)  What is the probability that Jane will win the prize?

Write your answer as a fraction in its simplest form.

**(2)**

Use the space below to show clearly how you get your answer.

Q2.

Jenny is an assistant manager in a leisure centre.

She asks some of the leisure centre users to complete a questionnaire.

The questionnaire was completed by

* 25 people who were swimming
* 8 people who were playing squash
* 11 people who were in a fitness class.

Jenny picks one of the questionnaires at random.

What is the probability the questionnaire was completed by a person who was playing squash?

**(2)**

Use the space below to show clearly how you get your answer.

**Exam question L1**

***Can I list all possible outcomes of an event or events?***

Q1.

The Leyland team will play the Buckshaw team in the squash tournament.
Kathy is the team captain for Leyland.
There are 3 players in each team.

Each player from Leyland plays one game against each player from Buckshaw.



Kathy wants to make a list of all the games in the tournament.
The first game is Andi against Rachel.

(b)  Make a list of all the games for Kathy.

**(3)**

Write your list in the space below.