



# FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Level 1

## Grouped Data

### Materials

- You **cannot** use a calculator for **questions** with this symbol.



### Instructions

- Answer **all** questions.
- Answer questions on separate paper.

### Information and Advice

- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
- Check you answers.

**Q1** David works at a cinema and records the ages of people watching a film.

Here is a list of the ages (in years):

16, 17, 35, 34, 25, 49, 62, 14, 33, 36, 26, 23, 12, 75, 29, 9, 41, 71, 55, 34, 19

Make a grouped frequency table to organise this information.

**[2 marks]**

**Q2** Martha has recorded the ages of people on her flight.

She has put this information in the grouped table below.

Age (years)	Number of Passengers
0 – 10	12
11 – 18	16
19 – 35	9
36 – 60	19
Older than 60	6

Represent this data in a bar chart.

**[4 marks]**

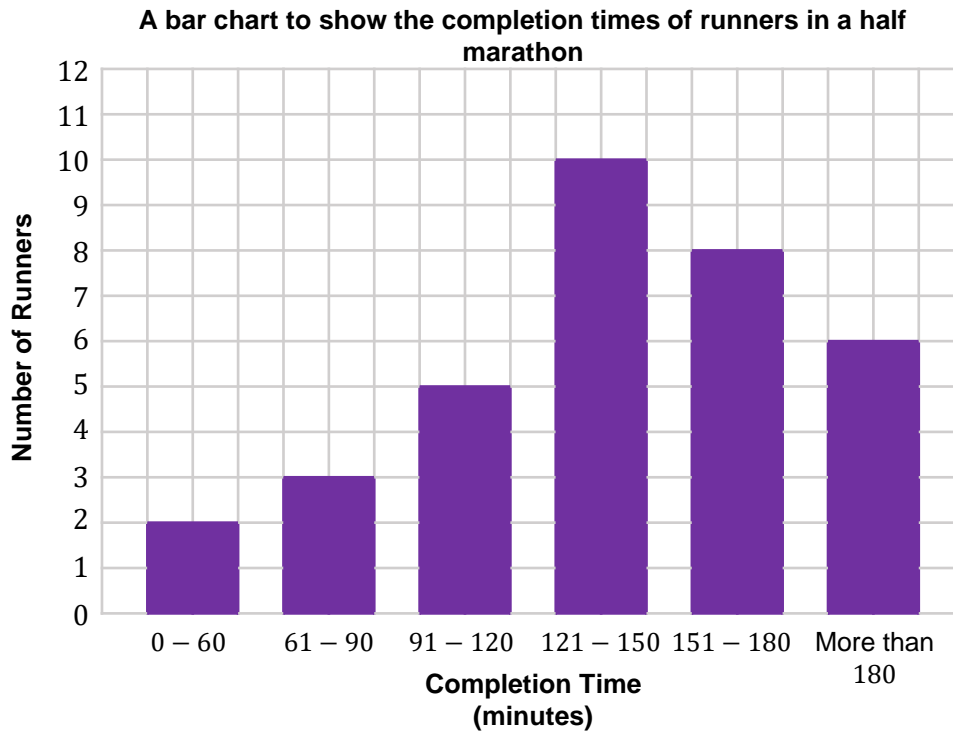
**Q3** A football manager makes a list of the amount of goals every player has scored in a football team in one season.

0, 3, 4, 21, 17, 24, 12, 14, 10, 9, 0, 1, 2, 6, 0, 15, 7, 1, 0, 11, 4

Make a grouped frequency table to organise this information.

**[2 marks]**

**Q4** The bar chart below shows information on the completion times of a half marathon to the nearest minute.



**4(a)** Create a grouped frequency table using the data in the bar chart.

[2 marks]

**4(b)** How many runners took part in the race?

[1 mark]

**4(c)** Which time period contained the most runners?

[1 mark]

**Q5** Spencer is selling his old t-shirts online.

He makes a list of the different prices he sells all his t-shirts for.

£11.50, £4.20, £2.50, £14.99, £8.49, £7.00, £6.30, £3.75, £5.10, £8.10, £4.99, £6.99, £7.99, £1.80

Create a grouped frequency table to represent this information.

[2 marks]

**Q6** A car dealership makes a list of all their cars' mileages (to the nearest thousand).

Here is the list, with all the mileages in thousands:

7, 11, 14, 9, 31, 24, 20, 13, 11, 6, 2, 3, 45, 12, 48, 26, 33, 36, 5, 59, 27, 3

Create a grouped frequency table for this information.

**[2 marks]**