

# Mathematics Workbook

**Valid from January 2013 to August 2013**

Functional Skills Qualification in Mathematics at Entry 2

Learner name

Learner signature and date

Work through the whole book.

- Answer every question.
- You can write or draw to show your answers in the workbook.
- You can use a calculator.

Your tutor may read the questions to you.

Ask your tutor if you do not understand any words.

**You have up to 1 hour to complete the workbook.**

Your tutor may give you objects to help you with the questions.

You will need:

- Pencil
- Ruler
- Rubber

Turn over ►

## 1 Planning a night out

Kerry wants to go for a night out.

Kerry wants to go bowling or to see a film at the cinema.

These are the prices.

| bowling        |     |
|----------------|-----|
| bowling ticket | £14 |
| food           | £5  |
| drink          | £2  |
| bus fare       | £3  |

| cinema      |     |
|-------------|-----|
| film ticket | £12 |
| food        | £6  |
| drink       | £3  |
| bus fare    | £2  |

Kerry works out the total cost for a ticket, food, drink and bus fare.

Kerry says

- the total cost to go bowling is less than £25
- it is also less than £25 to go to the cinema.

**Is Kerry correct?**

**Show why you think this.**

(4)

Write your working and your answer on the next page.

Write your working and your answer in the box below.

## 2 Going to the cinema

Kerry decides to go to the cinema to see a film.

Kerry gets on the bus at the park.

Here are the bus times.

|        |         |         |         |         |
|--------|---------|---------|---------|---------|
| park   | 6:45 pm | 7:15 pm | 7:45 pm | 8:15 pm |
| cinema | 7:00 pm | 7:30 pm | 8:00 pm | 8:30 pm |

Kerry wants to get a bus which arrives at the cinema before quarter past eight.

**What is the latest time Kerry can get the bus at the park?**

(1)

Write your answer in the box below.

The film starts at half past eight.  
The film is 2 hours long.

Kerry knows that the last bus goes at 10:45 pm.

**Can Kerry watch the whole film and catch the last bus?**

**(3)**

Write your working and your answer in the box below.

### 3 At the cinema

These are the ticket prices for the cinema.

|               |     |
|---------------|-----|
| adult ticket  | £12 |
| child ticket  | £7  |
| senior ticket | £7  |

Kerry can get a ticket for half the price with a voucher.

**What is half the price of an adult ticket?**

(2)

Write your working and your answer in the box below.

**Check your answer by doubling it.**

(1)

Show your working in the box below.

Kerry buys a ticket for the big screen.

Kerry notices that the number of seats in each row follows a pattern.

Row A - 18 seats

Row B - 20 seats

Row C - 22 seats

Row D - 24 seats

Row E

Row F

**How many seats are there in row E and row F?**

(2)

Complete the pattern above.



Kerry buys some pick and mix sweets.

**What units are used to measure the weight of pick and mix sweets?**

(1)

Circle the correct unit of measurement in the list below.

ml

m

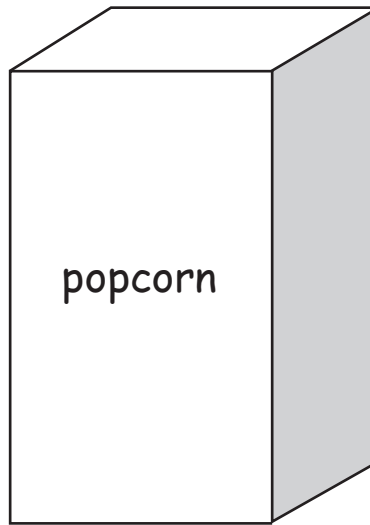
g

cm

kg

km

Jon sells popcorn at the cinema.



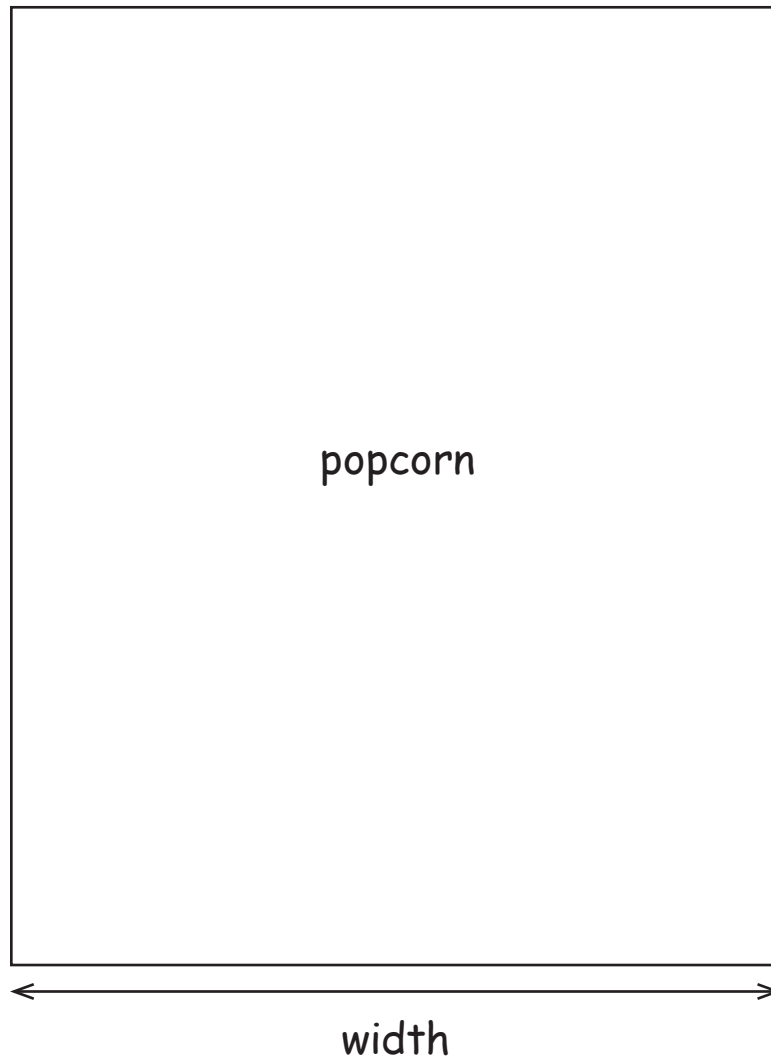
**What is the name of the shape of this box of popcorn?**

**(1)**

Write your answer in the box below.

Jon needs to know the width of a box of popcorn.

The diagram shows the front of a box of popcorn.



**Use a ruler to measure the width on the diagram.  
Give your answer to the nearest centimetre.**

**(1)**

Write your answer in the box below.

Width = \_\_\_\_\_ to the nearest centimetre

Jon keeps a record of popcorn sales each day for one week.

|           |     |
|-----------|-----|
| Sunday    | £85 |
| Monday    | £48 |
| Tuesday   | £32 |
| Wednesday | £57 |
| Thursday  | £41 |
| Friday    | £66 |
| Saturday  | £33 |

**How much more are the sales on Sunday than the sales on Monday?**

**(2)**

Write your working and your answer in the box below.