Mathematics Workbook
Valid from January 2013 to August 2013
Functional Skills Qualification in Mathematics at Entry 3

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 30 minutes 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 **Working at a glass factory**

Mel works at a glass factory.

He must pack 36 glasses into cardboard boxes.

Each box can hold 10 glasses.

How many cardboard boxes does Mel need for 36 glasses?

(2)

Write your working and your answer in the box below.

Kim orders 30 glasses for her cafe.

Each glass costs £4

Mel puts the glasses into 3 cardboard boxes.

The table shows the charge to deliver boxes.

number of boxes	delivery charge
1	£5
2	£8
3	£9
4	£10
5 or more	£12

Mel needs to work out the cost of 30 glasses and then add the delivery charge for 3 boxes.

What is the total cost?

(3)

Write your working and your answer in the box below.

Mel wraps some parcels with bubble wrap.

Mel uses 420 cm of bubble wrap for a large parcel.
He uses half as much for a small parcel.

How much bubble wrap does Mel use for a small parcel?

(1)

Write your answer in the box below.

Show how you can check your answer.

(1)

Write your check in the box below.

2   Delivery driver

Mel has to deliver parcels to 4 places in the delivery truck.

These are the places and the time for each delivery.

| Locket | 16:45 |

| The Sands | 14:30 |

| The Green | 13:00 |

| Stoke | 17:15 |

Mel must go to each place in the correct time order.

Make a list in the correct time order for Mel.

(1)

You can write your answer in the box below.

....

....

....

....

Mel starts to pack glasses at 11:00

He packs glasses for 45 minutes.

He then takes half an hour to load the delivery truck.

What time does Mel finish loading the delivery truck?

(2)

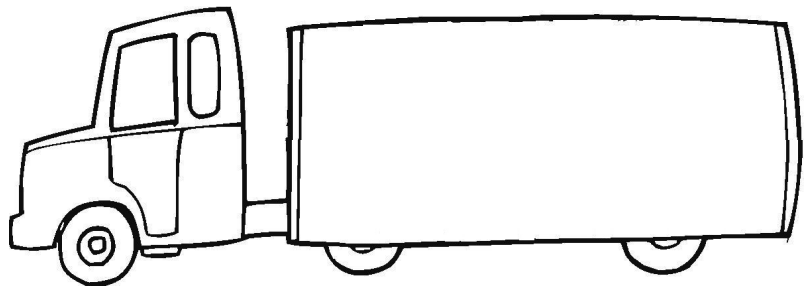Write your working and your answer in the box below.

Mel must plan his route to avoid low bridges and sharp turns.

The height of the delivery truck is 455 cm

What is the height of the delivery truck rounded to the nearest 100 cm?

(1)

Write your answer in the box below.

Mel knows

- the length of the truck is 4.8 m

- the length of the trailer is 9.5 m

What is the total length of the truck and the trailer?

(2)

Write your working and your answer in the box below.

Mel delivers glasses to a shop in Iron Walk.

Some shop numbers are missing.

121
123
125
127

120
122
124
126

Iron Walk

What are the missing shop numbers?

(1)

Write your answers in the boxes above.

3 The factory shop

Nina wants to buy 4 highball glasses.

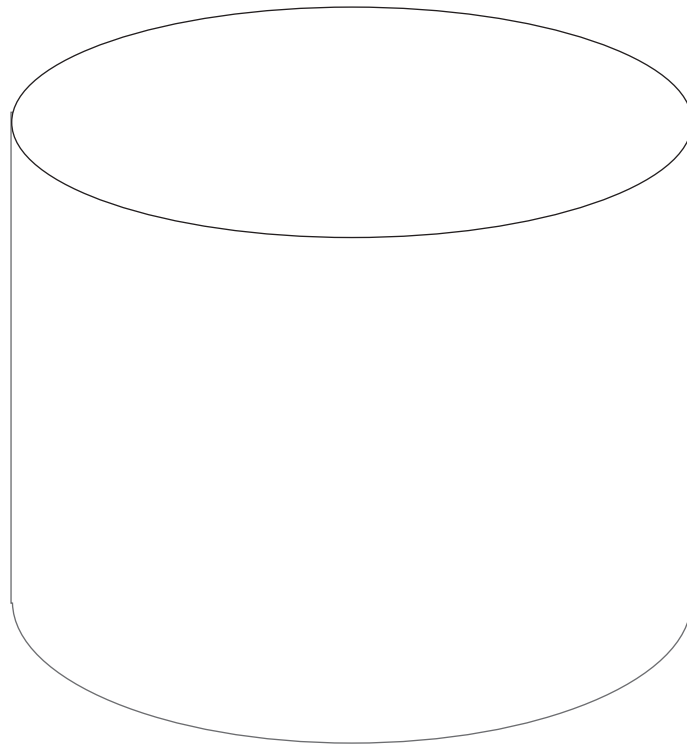She can buy from the catalogue or from the factory shop.

These are the prices.

<u>catalogue</u>

One highball glass

£3.50

<u>factory shop</u>

Buy 4 highball glasses for £12

Nina wants to pay the cheapest price for the 4 highball glasses.

Where should Nina buy the glasses?

(3)

Write your working and your answer in the box below.
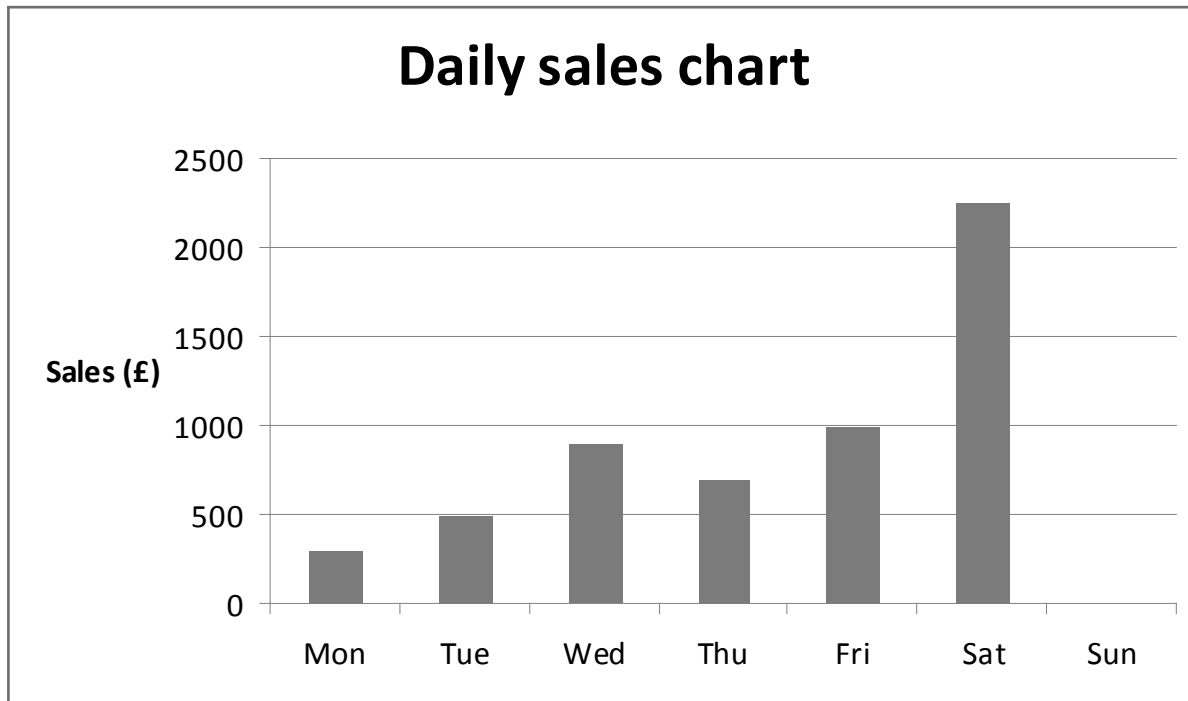
Here is a sketch of a tumbler glass.

What is the name of this shape?

(1)

Write your answer in the box below.

Simon is the manager at the factory shop.

The chart shows the total of the sales for each day last week.

Daily sales chart

The total of the sales on Sunday was £1500

Complete the chart for Simon.

(1)

Draw the bar on the chart above.

Which day had the lowest sales?

(1)

Write your answer in the box below.