Mathematics Workbook

Valid from February 2011 to August 2011

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 ▶

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The charity fair

1 Planning a charity fair

You are planning a charity fair.

People buy tickets to go to the charity fair. Last year it cost 25p to buy a ticket.

This year, you decide to double the price.

How much will it cost for a ticket this year?

Show your working in the box below.

(1)

There will be a cake stall at the fair.
You want to make sponge cakes for the cake stall.

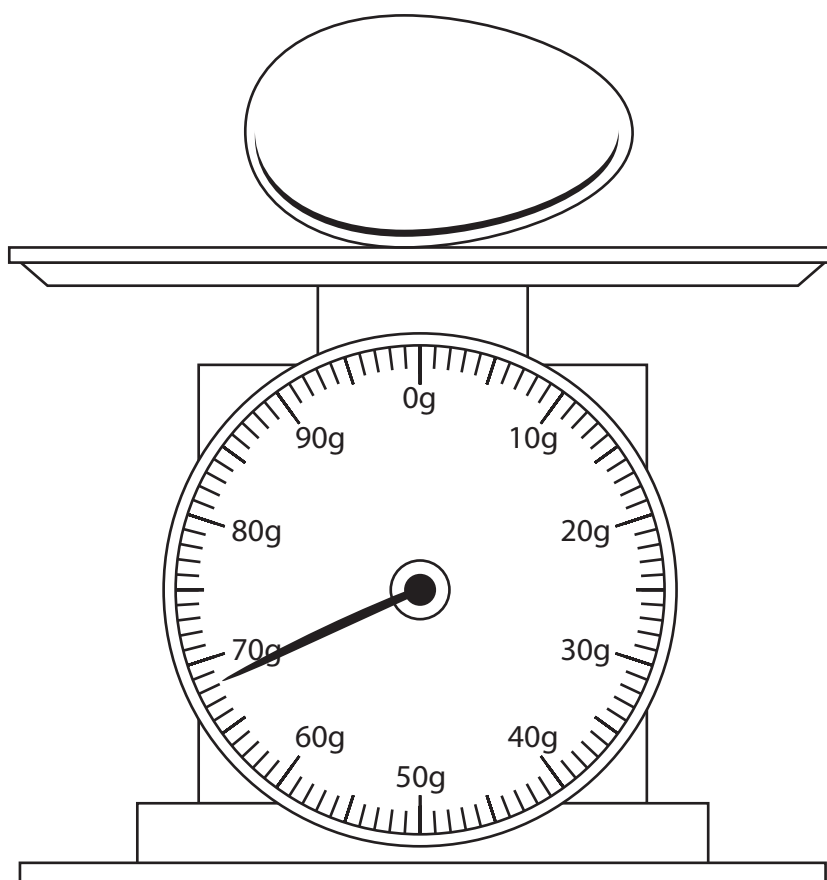You need to use 2 eggs to make one sponge cake.

Here are some eggs:

How many sponge cakes can you make with these eggs?

Show your working in the box below.

(1)

The recipe says you need to weigh the eggs.

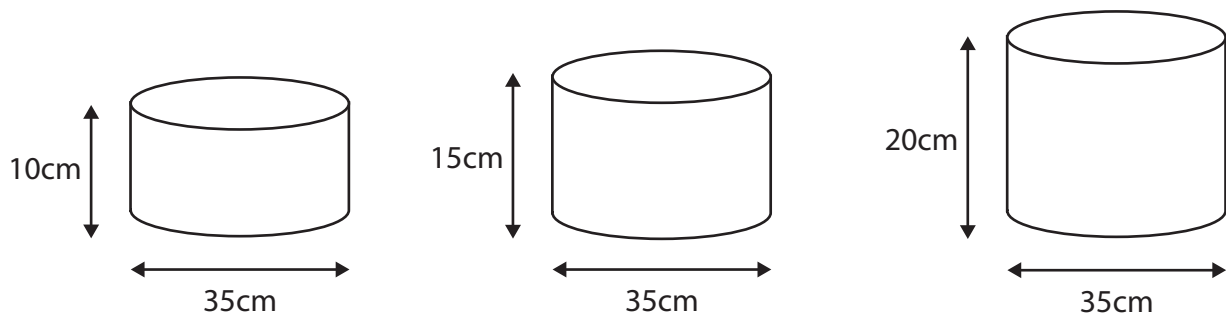Here are some scales with one egg:

How many grams does this egg weigh?

Show your working in the box below.

(1)

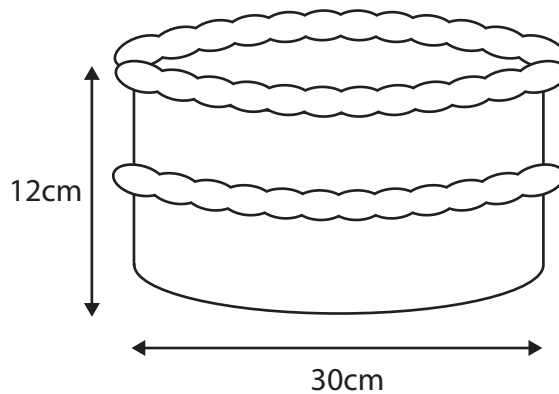When you have made the cakes, you need to put them into cake tins like these:

10cm
35cm

15cm
35cm

20cm
35cm

What is the name for the shape of these tins?

Write your answer in the box below.

(1)

Here is a picture of one of your cakes:

12cm

30cm

Circle the cake tin above which best fits your cake.

Show your working in the box below.

(2)

2 On the day of the fair

The fair starts at one o'clock in the afternoon.
You need to arrive at the fair two hours before it starts.

What time do you need to arrive at the fair?

Show your working in the box below.

(1)

The fair lasts for three and a half hours.
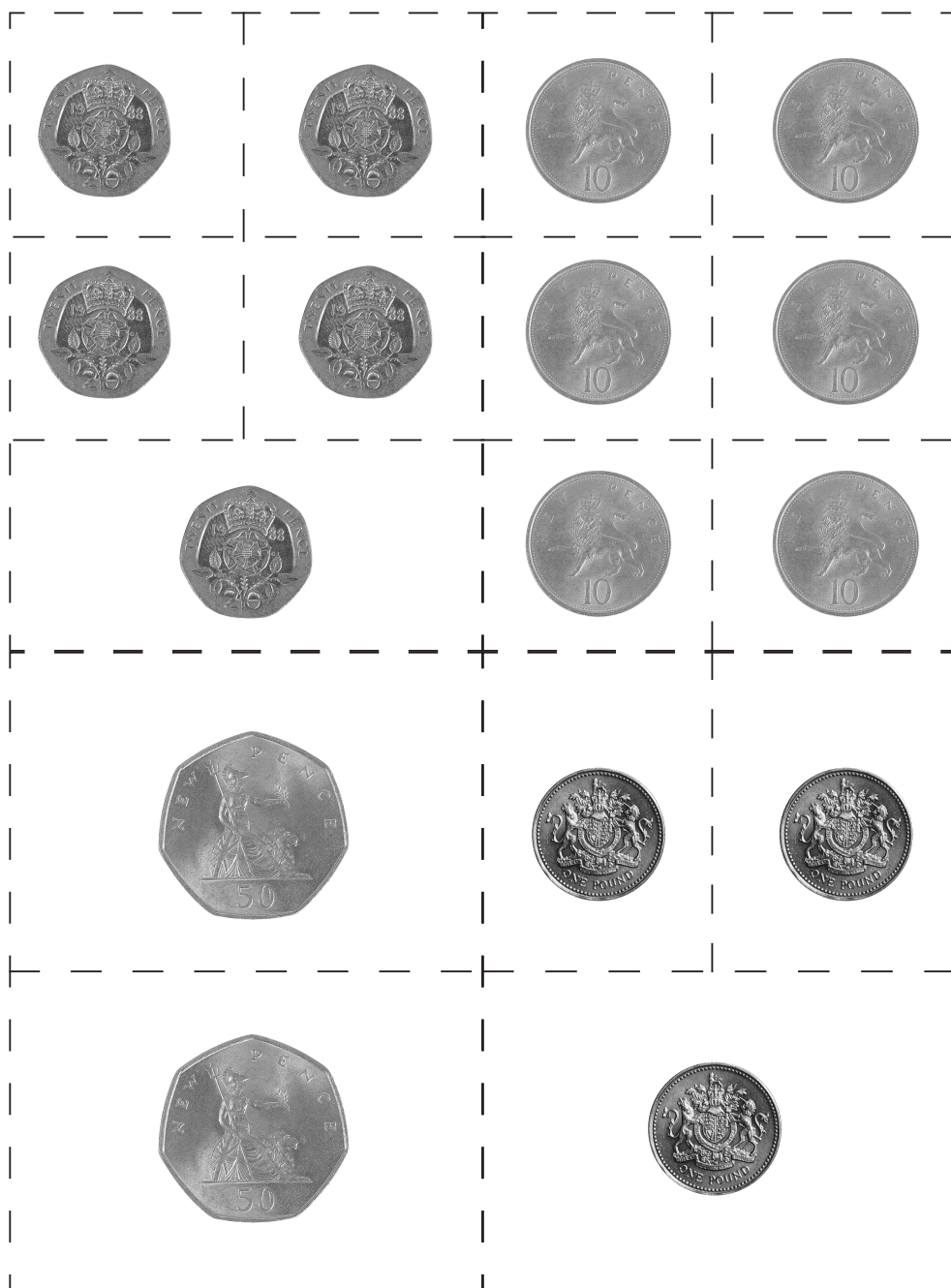
What time does the fair finish?

Show your working in the box below.

(1)

Brenda sells cakes on the cake stall.
She needs different coins so that she can give change to customers.
Brenda gives you a five pound note.
Brenda needs a selection of 10p, 20p, 50p and £1 coins.

Choose a selection from these coins which add up to £5.

Tick or circle each coin that you need.

(1)

Show how these coins add up to £5

Show your working in the box below.

(1)

There is a cafe at the fair.
You have £1 to spend at the cafe.
You want to buy one thing to eat and one thing to drink.
This is the price list.

Some prices at the cafe	
Scone	30p
Bun	20p
Flapjack	40p
Cup of tea	75p
Glass of orange	65p

Choose what you can buy to eat and drink from the cafe with your £1. Tick or circle your choice.

(1)

How much do you spend in total?

(1)

Show your working in the box below.

How much change should you get from a £1 coin?

(1)

Show your working in the box below.

You buy 12 buns from the cake stall.
You ask for half of them to be chocolate buns.

How many chocolate buns do you buy?

(1)

Show your working in the box below.

There is a tombola at the fair.
You pick out tickets from a box.
To win a prize you need to pick a ticket with an odd number on it.

TOMBOLA 01	TOMBOLA 73
TOMBOLA 99	TOMBOLA 55
TOMBOLA 36	TOMBOLA 50
TOMBOLA 48	TOMBOLA 13
TOMBOLA 72	TOMBOLA 81

Which of these tickets would win a prize?

(2)

Tick or circle the tickets.

Here is a list showing how much money each stall made:

Stall	How much money the stall made
Cake stall	£89
Tombola	£26
Cafe	£76
Toy stall	£53

Which stall made the most money?

Show your working in the box below.

(1)

Put the amounts of money in order, starting with the highest amount.

Show your working in the box below.

(1)