

Mathematics Workbook

Valid from September 2011 to August 2012

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: Finding a job

Scott wants a job in a supermarket.

Scott wants to earn as much money as he can.

Here are two jobs.

Fresh Express job

Wednesday to Friday
full days

Saturday half day

A full day is 7 hours

Pay: £10 an hour

Food Mart job

Tuesday to Friday

Pay: £56 for each day

Which job pays the most money each week?

(8)

For each job you need to work out the pay for each week.

Tick (✓) the job that pays the most money each week.

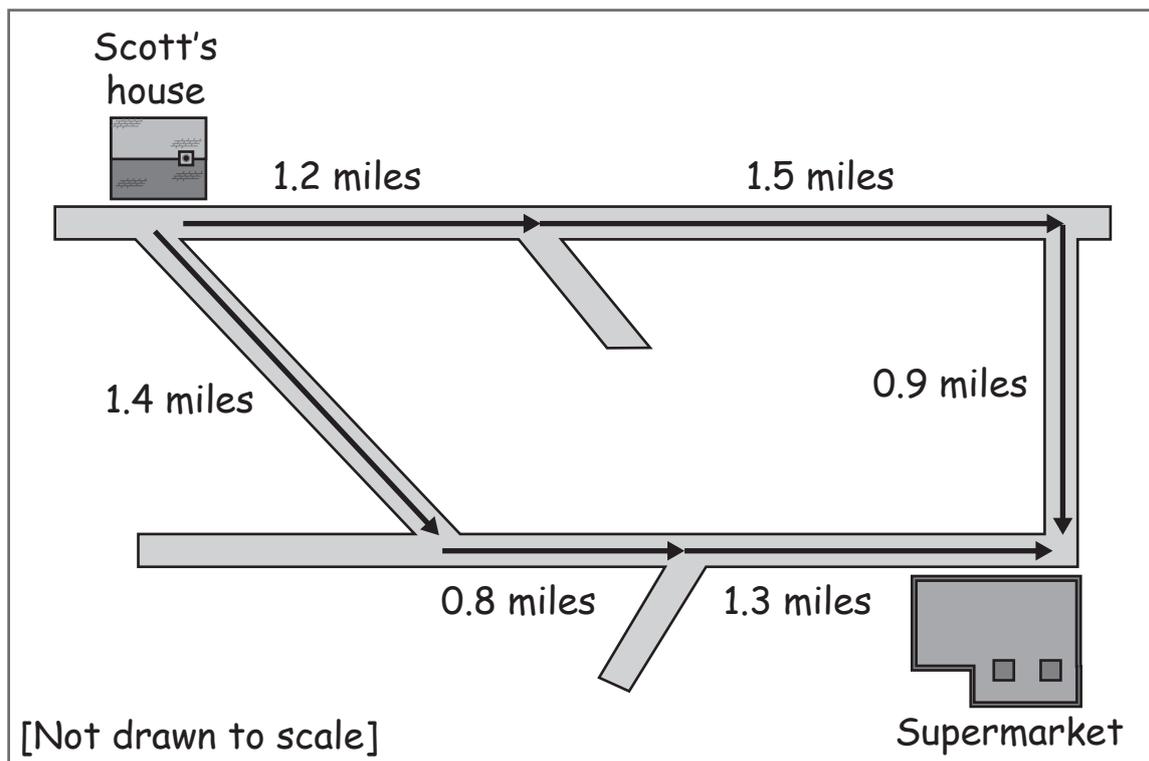
Show how you get your answer in the box below.

2: Cycling to work

Scott gets the job in the supermarket.

He wants to cycle to work.

Here is a map showing possible routes from his house to the supermarket.



Scott wants to find the shortest route from his house to the supermarket.

Work out the shortest route from Scott's house to the supermarket.

(2)

Show how you get your answer in the box below.

How can you be sure that you have found the shortest route?

(1)

Write your answer in the box below.

3: Working at the supermarket

There are different sections in the supermarket.

There are aisles in each section.
Each aisle has a number.

The diagram shows the sections and the aisles.

Section A Aisle numbers 1 to 9	Section D Aisle numbers 2 to 10
Section B Aisle numbers 11 to 17	Section E Aisle numbers 12 to 18
Section C Aisle numbers 19 to 25	Section F Aisle numbers 20 to 26

In sections A, B and C the aisles have odd numbers.
In sections D, E and F the aisles have even numbers.

On Wednesdays Scott works in section B.

List the numbers of all the aisles in section B.

(1)

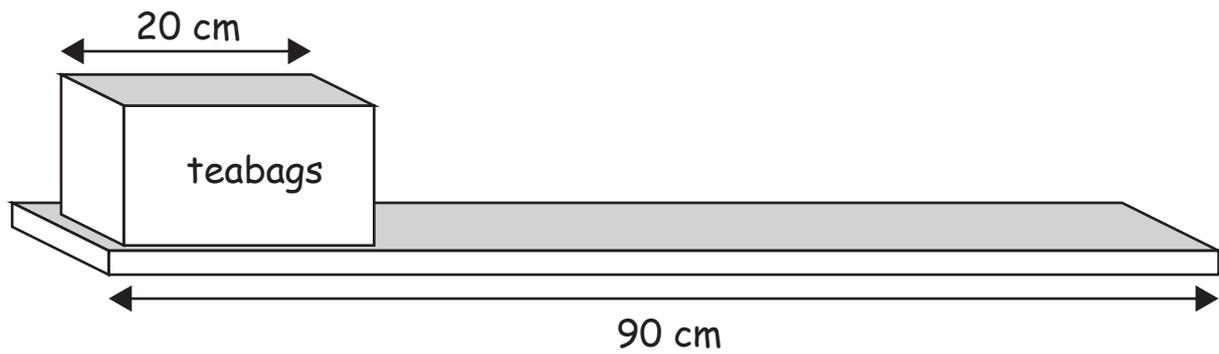
Write your answer in the box below.

How many aisles are there in section F?

(1)

Write your answer in the box below.

Scott has to put boxes of teabags on a shelf.



Each box of teabags is 20 cm long.
The shelf is 90 cm long.

Customers need to see the label 'teabags' on the front of each box.

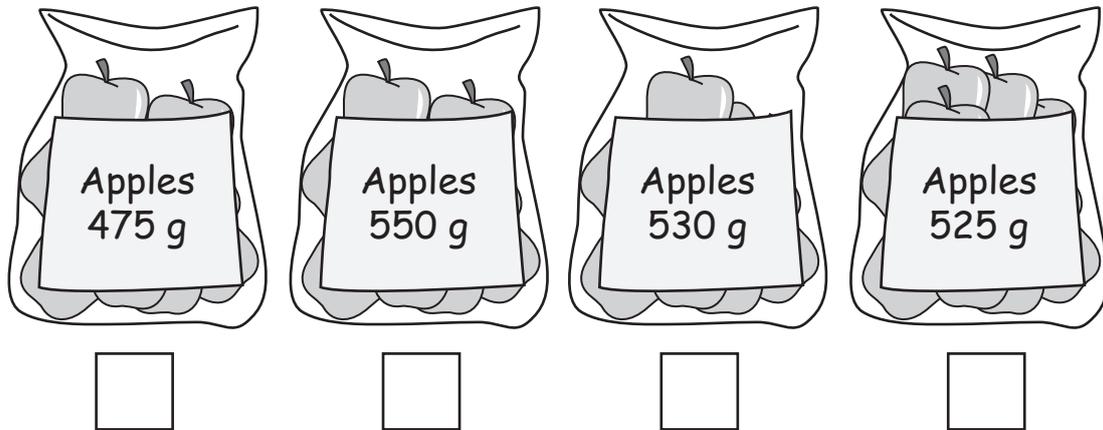
What is the largest number of boxes Scott can put in one row along the shelf?

(2)

Write your answer in the box below.

The supermarket sells apples.

Here are some bags of apples.



Nicky needs to buy a bag of apples with the weight closest to 500 grams.

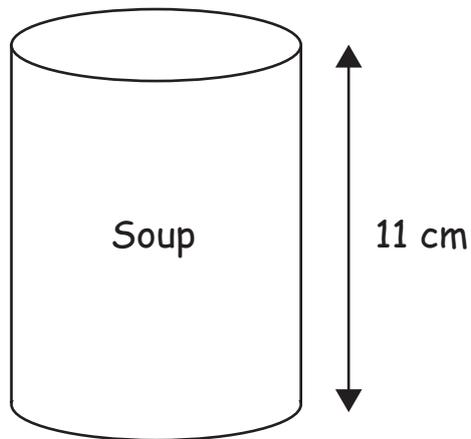
Which bag of apples should Nicky buy?

(1)

Tick (✓) the bag of apples.

The supermarket sells tins of soup.

Here is one of the tins of soup.



What is the name of the shape of the tin?

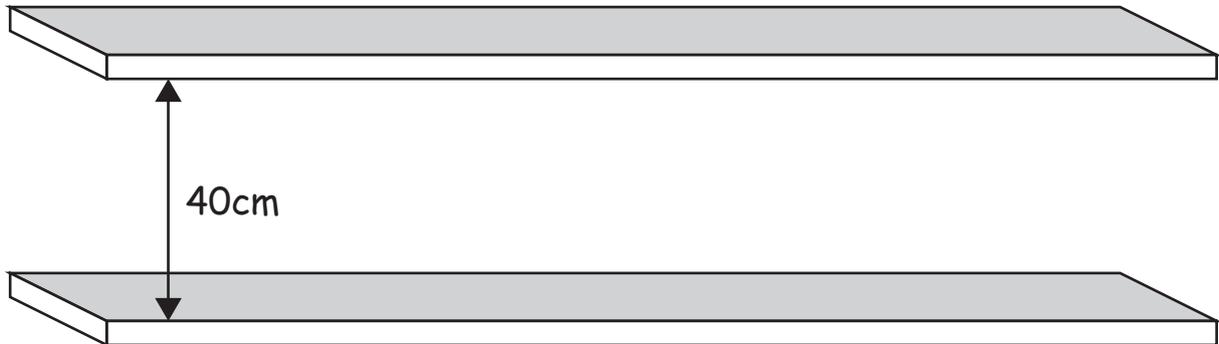
(1)

Write your answer in the box below.

Scott has to put the tins of soup on shelves.

Each tin of soup is 11 cm high.

There is 40 cm gap between the shelves.



Scott has to put the tins on top of each other.

He needs to put as many tins on top of each other as possible.

How many tins can Scott put on top of each other on the shelf?

(2)

Write your answer in the box below.

4: At the checkout

Joan buys some food.
The total cost is £12.50

Joan pays with a £20 note.
She gets £6.50 change.

This is the wrong change from £20

Explain why.

(1)

Write your answer in the box below.