Mathematics Workbook

Valid from September 2013 to August 2014

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

1 The health centre

Last month 947 people came to the health centre.

What is 947 to the nearest 10?

(1)

Write your answer in the box below.

Ava works at the health centre.

Her pay is £10 for each hour.

She works 5 hours each day.

Ava works 4 days each week.

How much is her total pay each week?

(3)

Write your working and your answer in the box below.

Ava needs to book an appointment for Tom Kay.

Tom needs a 20 minute appointment.

Tom can only come

- between 9 am and 10 am on Monday

  or

- between 9 am and 10 am on Tuesday.

Ava checks the list of appointments for Monday and Tuesday.

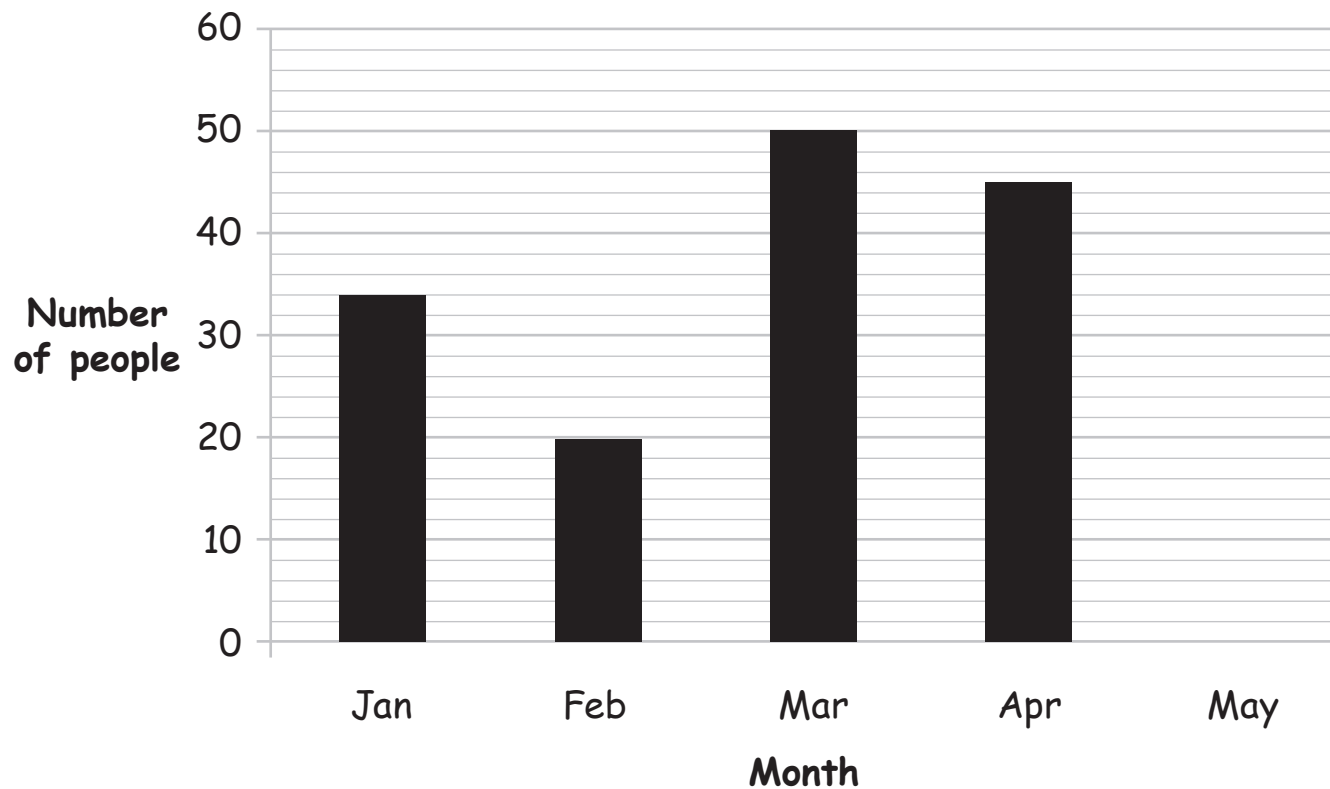**When can Tom have a 20 minute appointment?**

(2)

Show the appointment for Tom on the list.

The list is on page 5.

Appointment start time	Monday	Tuesday
	List of appointments to see the nurse	
08:30	Steven Jones	
08:40	Ian Cooper	
08:50		Safia Begum
09:00		Safia Begum
09:10		
09:20	Fred Baxter	
09:30	Fred Baxter	Hilda Smith
09:40	Fred Baxter	Hilda Smith
09:50		Hilda Smith
10:00	Betty Healey	Hilda Smith
10:10		
10:20	Ryan O'Neill	Stuart Williams
10:30		Shirley Jones
10:40		Shirley Jones
10:50	Gina Smith	Peter Hughes

This chart is in the waiting area at the health centre.

Chart to show the number of people who miss appointments each month

How many people missed appointments in January?

(1)

Write your answer in the box below.

The number of people who missed appointments in May was 28

Ava needs to draw the bar for May on the chart.

Draw the bar for 28 people in May.

(1)

Draw the bar on the chart.

2 Going to the health centre

Tom goes to see the nurse.

She shows him how to do some exercises.

The nurse says Tom must do 4 exercises today.

Then he must do more each day.

The nurse gives Tom this plan for his exercises.

4   7   10   13   16

Tom needs to know how many more exercises he should do.
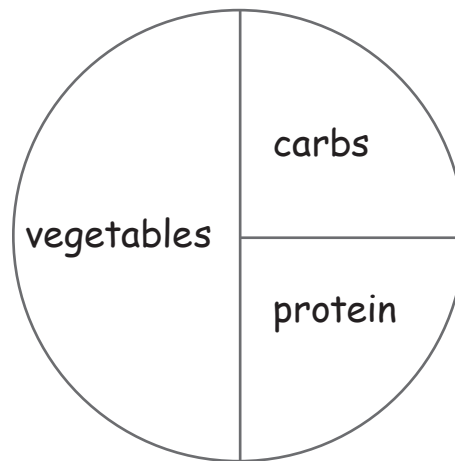
Complete the excercise plan for two more days.

(2)

Write your answer in the box below.

4   7   10   13   16   ....

The nurse tells Tom about healthy eating.

She gives him this diagram.

It shows the types of food he should have on his plate at dinner.

What fraction of the diagram is protein?

(1)

Tick (✔) the correct fraction.

$\frac{1}{2}$ ( )

$\frac{1}{3}$ ( )

$\frac{2}{3}$ ( )

$\frac{1}{4}$ ( )

$\frac{3}{4}$ ( )

The nurse asks Tom what he had for breakfast.

Here is what Tom had and the number of calories.

Bacon sandwich   225

Fruit juice   118

Tea   31

Tom thinks the total number of calories in his breakfast is 384

Is the total number of calories 384?
You must show your working to check the total is correct.

(2)

Write your working and your answer in the box below.

The nurse measures the heights of some children.

She writes down their heights.

- Fred   1.39 m
- Lucy   1.1 m
- Jack   1.4 m
- Ben   1.06 m

Which of these children is tallest?

(1)

Which of these children is shortest?

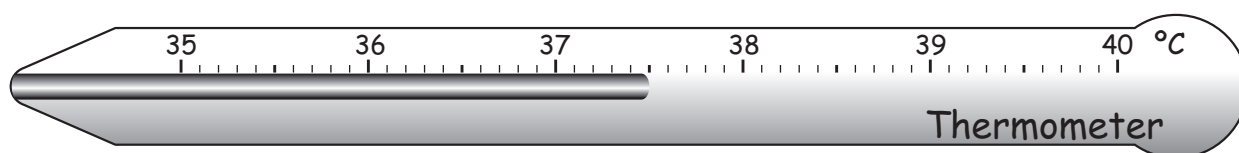(1)

Write your answers in the box below.

Tallest ....

Shortest ....

3   The chemist

Marie does not feel well.

She uses this thermometer.
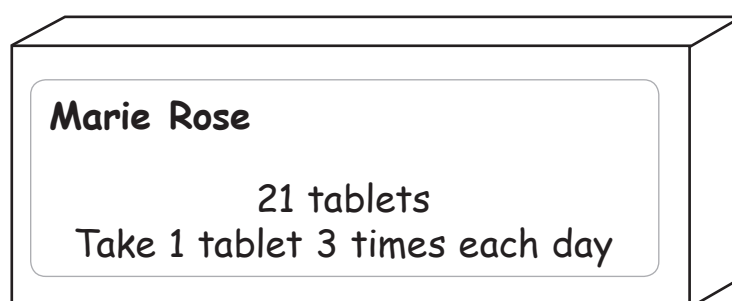

What is the reading on the thermometer?

(1)

Write your answer in the box below.

What does a thermometer measure?

(1)

Write your answer in the box below.

Marie goes to the chemist.

Marie Rose

21 tablets
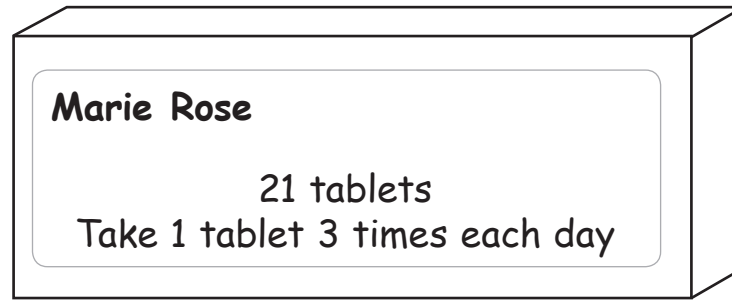Take 1 tablet 3 times each day

She gets this box of 21 tablets.

Marie has to take a tablet 3 times each day.
She takes all the tablets.

How many days does Marie take the tablets for?

(2)

Write your working and your answer in the box below.

Marie Rose

21 tablets
Take 1 tablet 3 times each day

The box for the tablets is a cuboid.

The chemist puts a label on the front of the box.

What is the total number of faces on the box?

(1)

Write your answer in the box below.