

ENTRY 3

Mathematics Workbook

Sample Assessment Material

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 ►

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1 Growing Plants

You work in a garden centre.
You want to plant beans.

You need to know which beans to plant and how much they cost.

Here is information from some packets of beans.

<p>A Browns Beans</p> <p>40 beans Costs £4.50</p>  <p>Plant 4 beans in 1 square metre</p>	<p>B Greens Beans</p> <p>20 beans Costs £2</p>  <p>Plant 4 beans in 1 square metre</p>
<p>C Blacks Beans</p> <p>10 beans Costs £1</p>  <p>Plant 2 beans in 1 square metre</p>	<p>D Whites Beans</p> <p>25 beans Costs £3</p>  <p>Plant 5 beans in 1 square metre</p>

You have a plot of 20 square metres.
You want to plant as **many** beans as possible.

Choose one type of bean to plant.

(1)

Tick (✓) the type of bean you have chosen.

For the beans you have chosen

Work out how many beans you are going to plant in the 20 square metres.

(2)

What is the total cost of the beans?

(2)

Write your working and your answers in the box below.

You will need to plant the beans in pots to start with.
You can plant **4** beans in each pot.

How many pots will you need?
Check your answer.






(2)

Write your working and your answer in the box below.

2 Watering the beans

The bean plants need to be watered.

The calendar shows which days the bean plants were watered.

Monday 1 st 	Tuesday 2 nd	Wednesday 3 rd	Thursday 4 th 	Friday 5 th	Saturday 6 th	Sunday 7 th
Monday 8 th 	Tuesday 9 th	Wednesday 10 th	Thursday 11 th 	Friday 12 th	Saturday 13 th	Sunday 14 th
Monday 15 th 	Tuesday 16 th	Wednesday 17 th	Thursday 18 th	Friday 19 th	Saturday 20 th	Sunday 21 st
Monday 22 nd	Tuesday 23 rd	Wednesday 24 th	Thursday 25 th	Friday 26 th	Saturday 27 th	Sunday 28 th
Monday 29 th	Tuesday 30 th	Wednesday 31 st				

How often are the bean plants watered?

(1)

Write your answer in the box below.

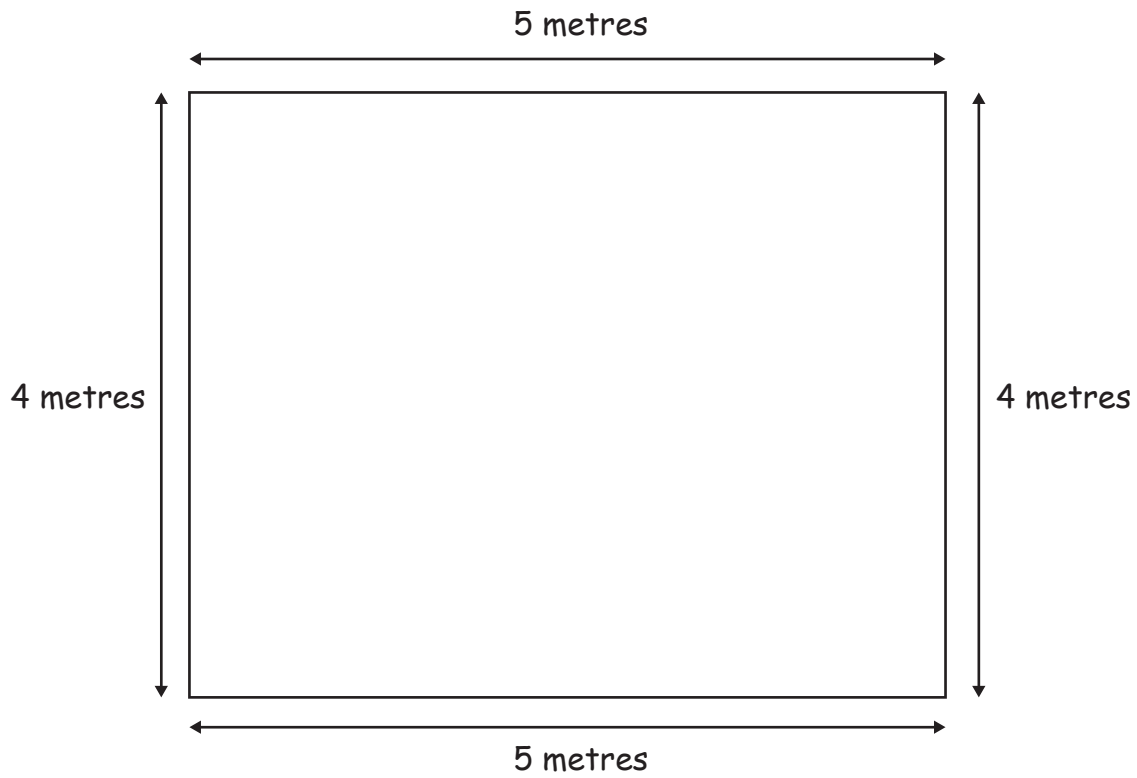
When will they need watering again?

(1)

Tick (✓) on the calendar the next two dates for watering.

3 Looking after your plot

You need to put fencing around your plot.



You have some 1 metre fence panels and some 2 metre fence panels.

You want to use as many 2 metre fence panels as you can.

How many 1 metre fence panels and how many 2 metre fence panels do you need to put fencing all around the plot?

(3)

Write your working and your answer in the box below.



4 Compost

You put compost on your plot to help the bean plants grow.

Compost

1 bag covers 7 square metres

Cost £5

Remember, you have a plot of 20 square metres.

How many bags of compost do you need?

(2)

Write your working and your answer in the box below.

Each bag of compost costs £5

How much does it cost to put compost on your plot?

(2)

Write your working and your answer in the box below.

5 Selling your plants

You are going to sell the bean plants.

You need to get enough money

- to pay for the beans (use your answer to task 1)
- to pay for the compost (use your answer to task 4)
- to make a profit of £20.

You round the total amount to the nearest £10

What is the total amount you sell your plants for?

(2)

Write your working and your answer in the box below.

You spend one quarter ($\frac{1}{4}$) of this amount on a new watering can.

How much money do you spend on the watering can?

(2)

Write your working and your answer in the box below.



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