


## NCFE Entry Level 2 Functional Skills Qualification in Mathematics (603/5053/2)

Paper number: Paper 11  
Section B: Calculator Test



**Time allowed:** 1 hour 15 minutes

### Learner instructions

- Answer **all** questions.
- Read each question carefully.
- Write your answers in the spaces provided.
- Show your working, as marks may be awarded for working.
- This shows you where to write your working and answers. 
- State units in your answers, where appropriate.
- Check your work.

### Learner information

- The maximum mark for this section is **24**.
- The marks available for **each** question are shown in brackets.

To be completed by the assessor		Mark
B	Activity 2	/ 8
	Activity 3	/ 8
	Activity 4	/ 8

### Resources

You will need:

- a pen, with black or blue ink
- a pencil and eraser
- a 30 cm ruler
- a calculator.

**Please complete the details below clearly and in BLOCK CAPITALS.**

Learner name \_\_\_\_\_

Centre name \_\_\_\_\_

Learner number

Centre number

**Do not turn over until the assessor tells you to do so.**

## Activity 2: Planting seeds

The greenhouse is ready for Jay to start planting seeds.

**2 (a)** Jay buys a packet with 100 lettuce seeds inside.

He plants 36 seeds.

How does Jay work out the number of seeds left over?

Tick (✓) your answer.

[1 mark]

$$100 - 36 =$$

$$36 - 100 =$$

$$100 \div 36 =$$

$$36 + 100 =$$



A ( )

B ( )

C ( )

D ( )

**2 (b)** Jay plants the 36 lettuce seeds in pots.

He uses nine pots.

Jay plants an equal number of seeds in each pot.

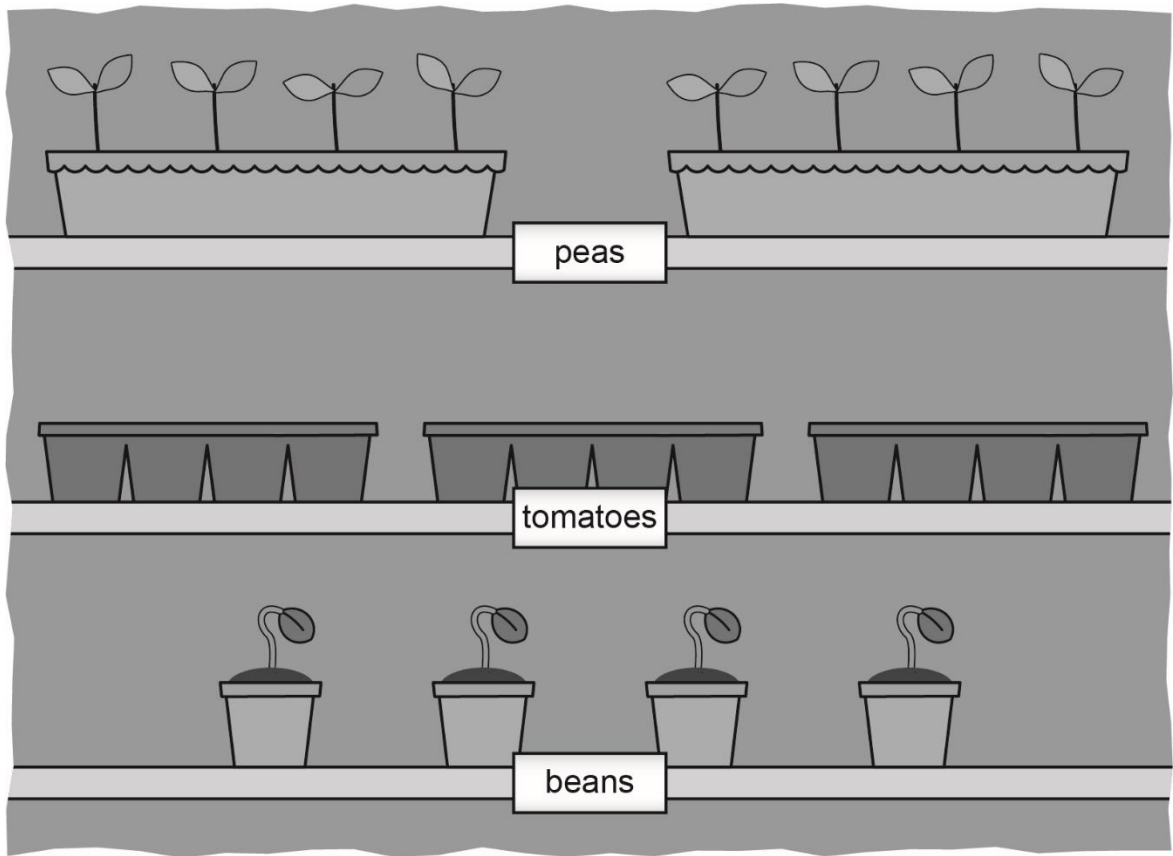
How many seeds does he plant in each pot?

[2 marks]



2 (c) Jay plants tomatoes in trays.

He puts the trays on a shelf.



Where does he put the trays of tomatoes?

Tick (✓) your answer.

[1 mark]

behind  
the peas

A ( )

below  
the peas

B ( )

on top  
of the peas

C ( )

between  
the peas

D ( )



Please turn over

2 (d) The tomatoes start to grow a day after they are planted.

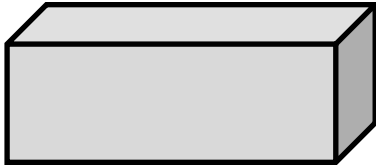
How many hours are in a day?

[1 mark]



2 (e) Jay keeps seeds in a tin.

The tin is in the shape of a cuboid.



How many faces does a cuboid have?

[1 mark]



2 (f) Jay needs to plant some seeds outside.

He checks the weather forecast.

	Temperature	Rain
Monday	8°C	yes
Tuesday	9°C	no
Wednesday	8°C	yes
Thursday	12°C	yes
Friday	11°C	no
Saturday	14°C	yes
Sunday	9°C	no

Jay wants to plant the seeds on days when there is rain and when the temperature is more than 10°C

Which days will he choose?

[2 marks]



[Total marks: 8]

Please turn over

### Activity 3: Growing the vegetables

The vegetables start to grow.  
Jay looks after them.

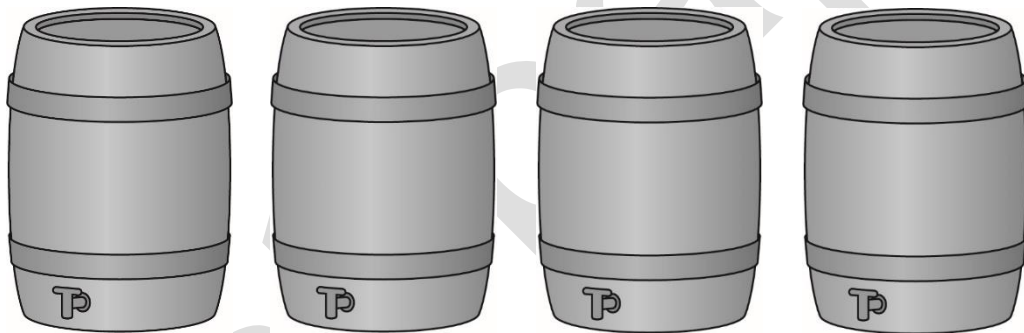
3 (a) Jay collects rain in water tanks.

He sees how much water is in each tank.

Which water tank has the most water?

Tick (✓) your answer.

[1 mark]



2 litres

120 millilitres

12 millilitres

12 litres



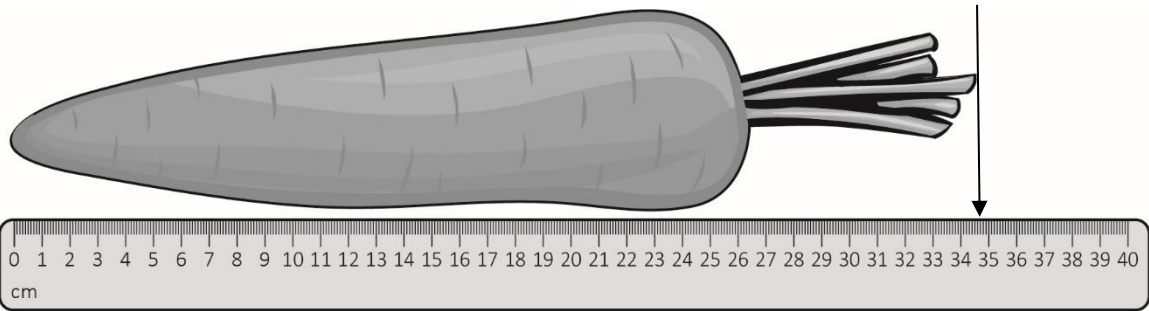
A ( )

B ( )

C ( )

D ( )

3 (b) Jay measures a carrot.



How long is the carrot to the nearest **labelled** division?

[1 mark]



3 (c) Jay counts the numbers of vegetables he picks each week.

He puts the results in a table.

Week	Number of potatoes	Number of carrots
1	20	40
2	70	80
3	50	70
4	30	50
5	20	30

In which week did Jay pick 70 carrots?

[1 mark]



Please turn over

3 (d)

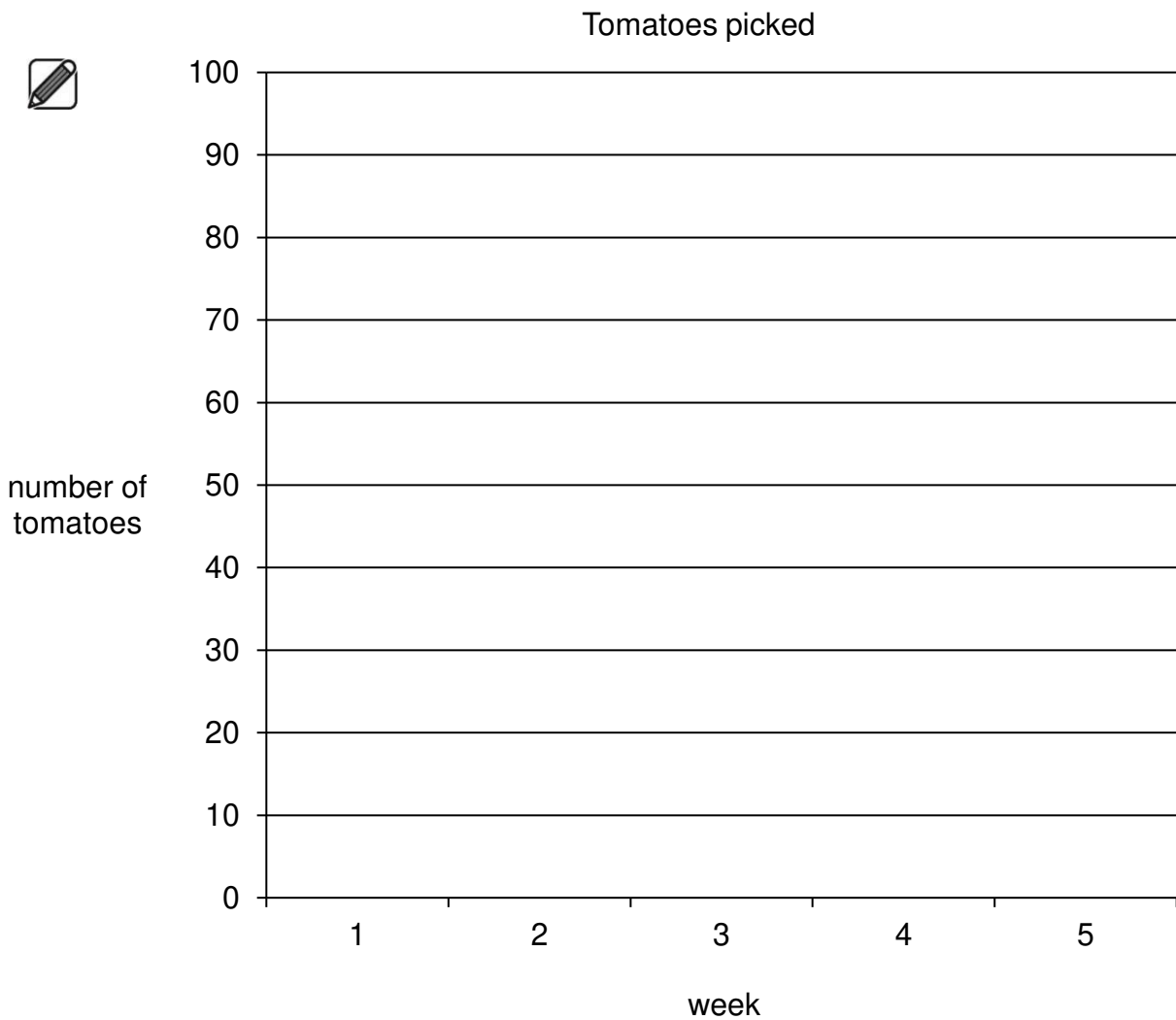
This table shows the number of tomatoes Jay picks.

Week	Number of tomatoes
1	30
2	60
3	70
4	90
5	40

He wants to show the results in a bar chart.

Complete the bar chart.

[2 marks]





**3 (e)** Jay writes down the weights of vegetables he grows.

potatoes	73 kg
marrows	84 kg
carrots	19 kg

Jay thinks the total weight is over 200 kg

Is Jay correct?

Give a reason for your answer.

**[3 marks]**



Large empty rectangular box for writing the answer.

**[Total marks: 8]**

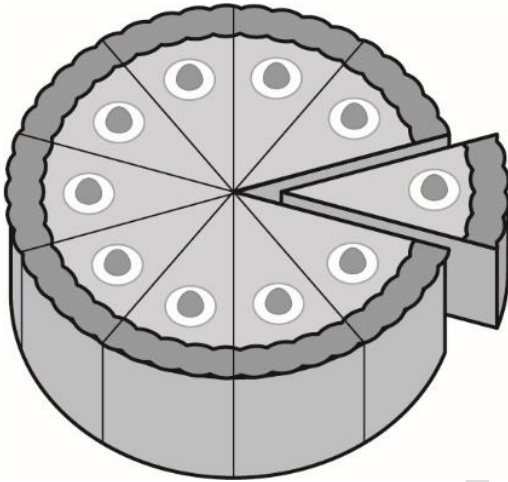
**Please turn over**

### Activity 4: Cooking the vegetables

Jay uses the vegetables to cook with.

4 (a) Jay makes a carrot cake.

He cuts the cake into 10 slices.



Jay eats one slice.

What fraction of the cake does Jay eat?

[1 mark]

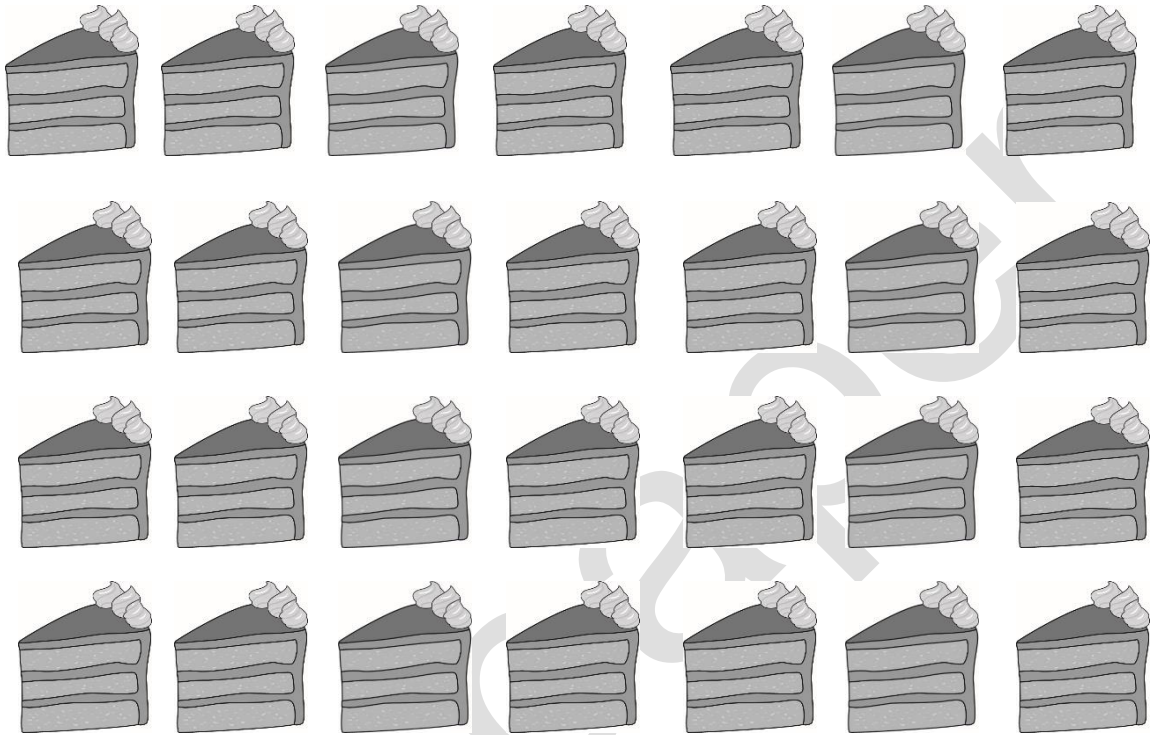


4 (b)

Jay has a party for his friends.

There are 90 slices of cake to eat.

When his friends leave, these slices are left over.



How many slices of cake did his friends eat?

[3 marks]

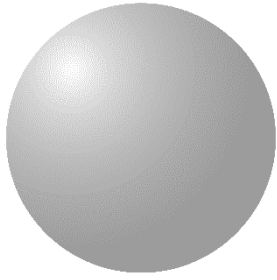


A large empty rectangular box for writing the answer.

Please turn over

4 (c) Jay also makes pea and potato snacks.

He cooks the peas and potatoes and rolls them into balls.



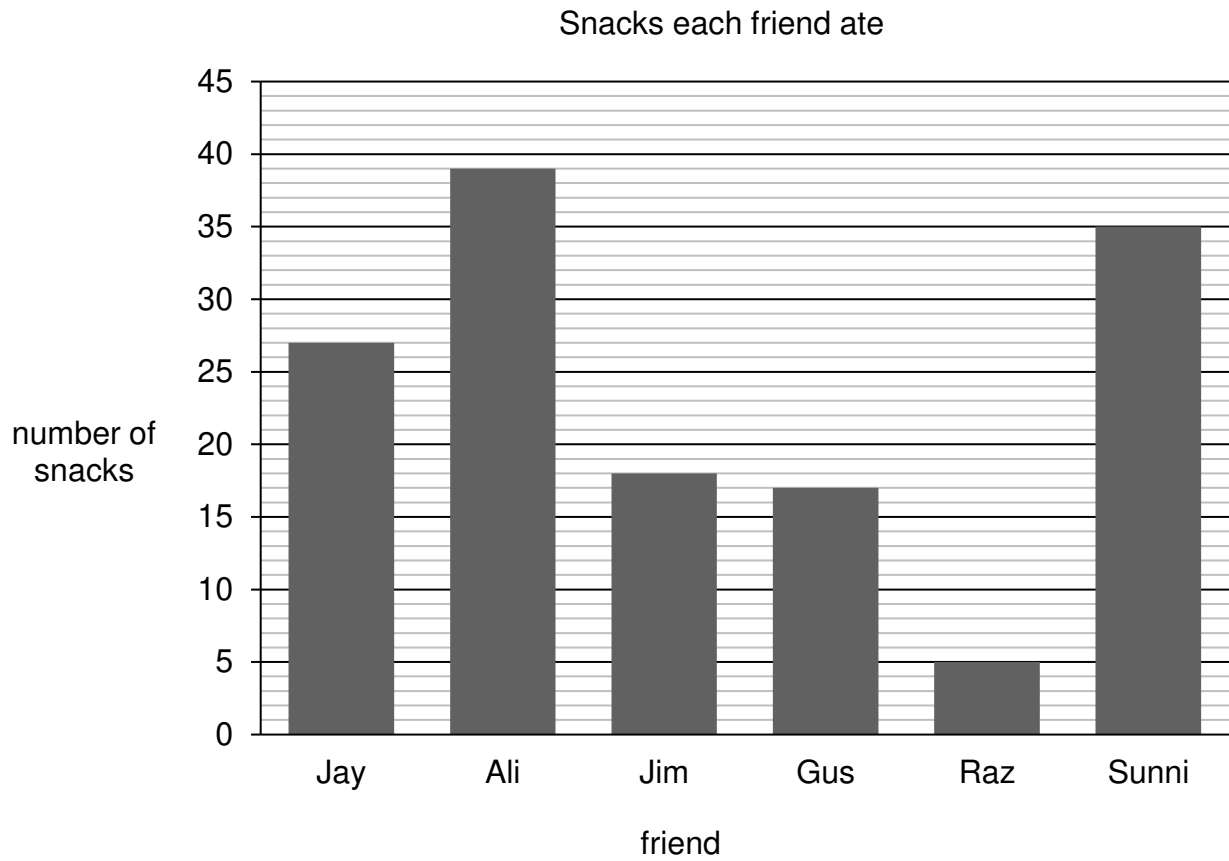
What is the name of this 3D shape?

[1 mark]



past paper

4 (d) This chart shows the number of snacks each friend ate.



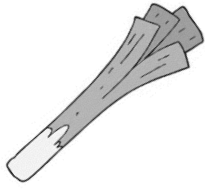
How many people ate more than 25 snacks?

[1 mark]



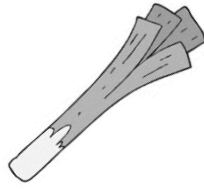
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**4 (e)** Jay grows some leeks for his friends.  
He measures the lengths of the leeks.  
He thinks B is the longest leek.



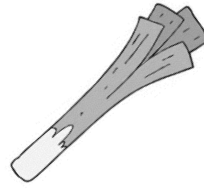
30 cm

**A**



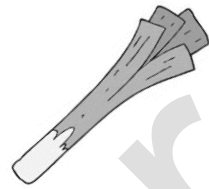
3 mm

**B**



30 mm

**C**



3 cm

**D**

Is Jay correct?

Give a reason for your answer.

**[2 marks]**



A large empty rectangular box for writing the answer.

**[Total marks: 8]**

**This is the end of the internal assessment.**

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