Non-calculator Questions

NCFE

1.

Each friend will drive to the nature reserve.

These are the distances they will drive to get there from home.

Mark	33.3 km
Jon	3.0 km
Pippa	3.3 km
Lily	33 km

Put the names in order, starting with the friend who lives nearest to the nature reserve.

[2 marks]

nearest   **furthest**

  Jon   Pippa   Lily   Mark

City & Guilds

2.

A gardener needs to make a wooden post 1.8m high.
He has these lengths of wood.

A   1.3m ☐

B   1.7m ☐

C   1.9m ☑

D   0.8m ☐

Tick the piece of wood he can use.

1 mark

3.

A man lives 20 kilometres from work.

He works 6.5 kilometres from the airport.

He drives from his house to work. Then he drives to the airport.

How far does the man drive **in total**?

.................................26.5......................... **kilometres**

1 mark

$$20 + 6.5 \over 26.5$$

Calculator Questions

Edexcel

1.

Alex wants to buy a car.

He has a plan of his house and driveway.

4.5 m   driveway   house

⇧

3.9 m
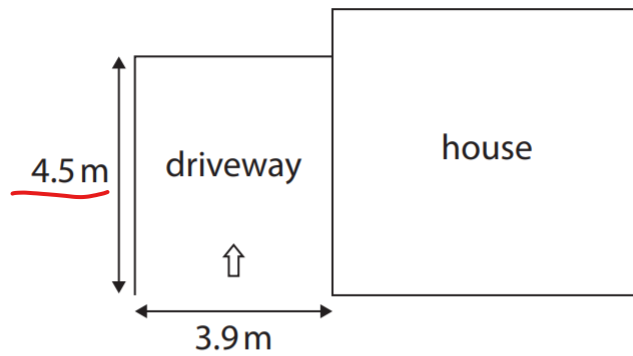
Alex wants the longest car that fits his driveway.

Length of cars for sale						
car	A	B	C	D	E	F
length (m)	4.2	3.8	4.6	4.8	4.4	4.7

Which car will Alex choose?   (1)

Show your answer in the box below.

E

2.

Alex needs to buy petrol.

He goes to the nearest service station that is open.

Which service station does he choose?   (1)

Tick (✔) the correct answer.

distance 7 km closed	distance 19 km open
( )	( )

distance 23 km closed	distance 17 km open
( )	(✓)

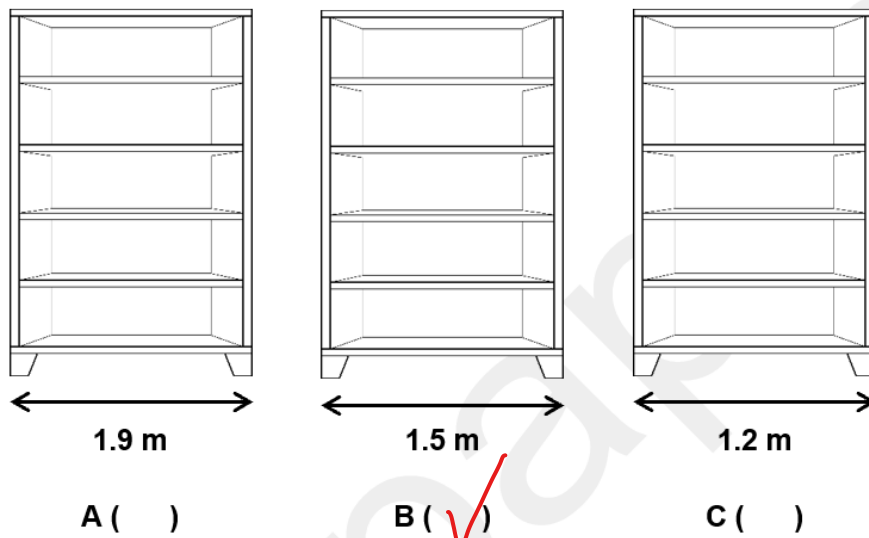| distance 22 km open	distance 15 km closed
( )	( )

NCFE

3.

Kevin needs to move a bookcase into a gap 1.6 m wide.

He has bookcases in three sizes.
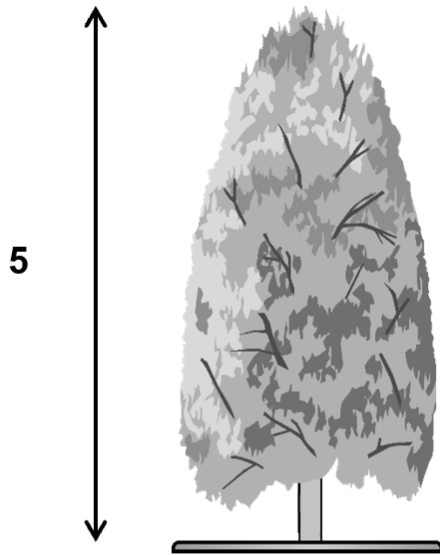
Which is the widest bookcase he can fit in the gap?

Tick (✓) your answer.

[1 mark]

1.9 m

A (   )

1.5 m

B (✓)

1.2 m

C (   )

4.

There is a tree in one of the fields.

5

What is the height of the tree?

Tick (✓) your answer.

[1 mark]

5 centimetres   5 kilometres   5 metres   5 millimetres

A (   )   **B (   )**   **C (✓)**   **D (   )**

5.

Jay grows some leeks for his friends.

He measures the lengths of the leeks.

He thinks B is the longest leek.

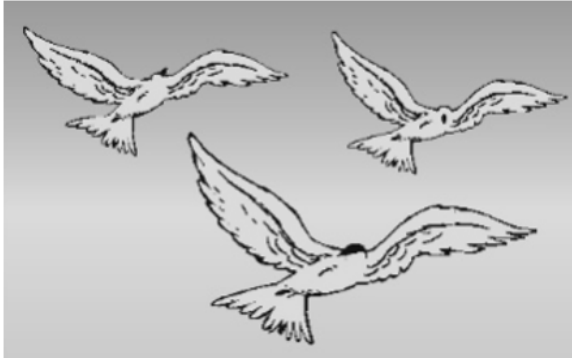| 30 cm	3 mm	30 mm	3 cm
A	**B**	**C**	**D**

Is Jay correct?

Give a reason for your answer.

[2 marks]

No, A is the longest.

6.

Jon prints a photo.

How wide is the photo?

Tick (✓) your answer.

[1 mark]

8 m	8 mm	8 cm	8 km
A ( )	**B ( )**	**C (✓)**	**D ( )**

7.

Lee goes shopping.

He buys a hose longer than 15 m

Which hose does he buy?

Tick (✓) your answer.

[1 mark]

120 cm	21 m	200 cm	12 m
A ( )	**B (✓)**	**C ( )**	**D ( )**

City & Guilds

8.

> Write these measurements in order starting with the **largest**.

96km   **3km**   **20km**   **82km**

96km 82km 20km 3km

1 mark

9.

A woman will walk to the charity shop for her interview.

She checks the routes on the website. The website shows these four different routes.

She wants to take the shortest route.

> Tick the route she will take.

Route A   2.4 miles   ☐

Route B   2.7 miles   ☐

Route C   2.2 miles   ☑

Route D   2.5 miles   ☐   **1 mark**

10.

The manager of the charity shop wants to put up a shelf.
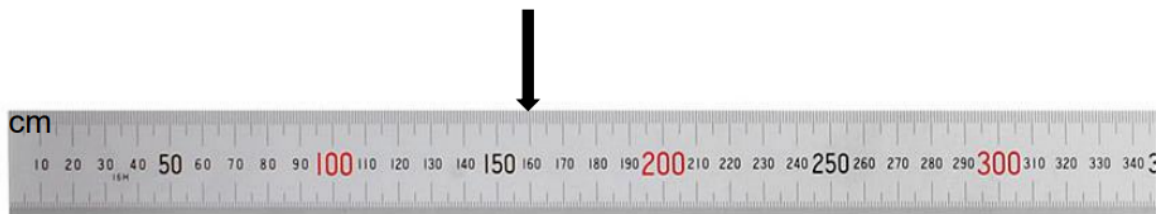
She has three shelves to choose from.

Shelf A is **130cm**

Shelf B is **180cm**

Shelf C is **145cm**

She asks the volunteer to measure the wall.

The wall is this wide.
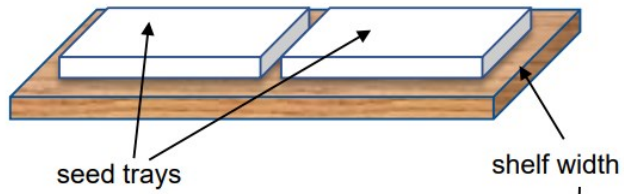

Which is the longest shelf that will fit on the wall?

Shelf.......................C.................................   **2 marks**

11.a)

A trainee at a garden centre needs to plant some seeds.

She wants seed trays that will fit on this shelf.

seed trays   shelf width

She measures the width of the shelf.

23 cm

b)

The garden centre has these different size seed trays.

Width 18cm ✓

Width 24cm ☐

Width 30cm ☐

Width 15cm ✓

Tick which seed trays will fit on the shelf.
Give a reason for your answer. Use numbers to help you explain.

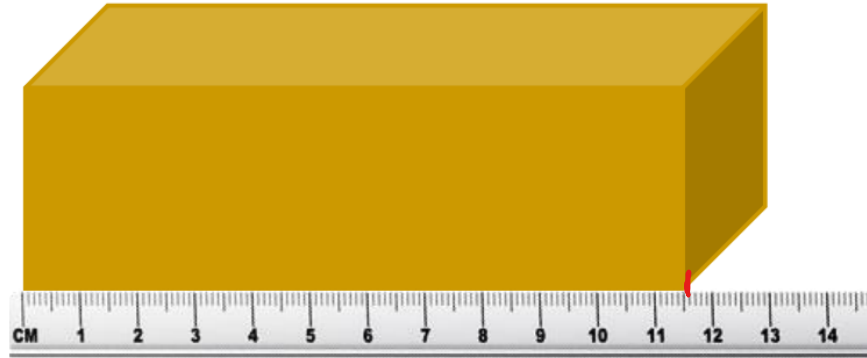Reason 18 and 15 are smaller than 23 but 24 and 30 are not.

3 marks

Open Awards

12.

(2 marks)

Kali has a parcel to send.

How long is the parcel in mm? **(1 mark)**

115mm