Non-calculator Questions

Edexcel

1.

Bret chooses a hotel for his trip.

Style Hotel	Fair Hotel
450 m from stadium	1 km from stadium

Bret says the Style Hotel is 650 m nearer to the stadium than the Fair Hotel.

Is Bret correct?

Show why you think this. (2)

Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

NCFE

2.

Paulo puts some boxes of sweets on the shelves.

Box A is 8.5 cm wide.

Box B is 82 mm wide.

Box C is 8 cm wide.

Put the boxes in order from narrowest to widest.

[1 mark]

narrowest   **widest**

_____   _____   _____

City & Guilds

3.

A holiday maker wants a bag to take on a plane.
The maximum length for a bag to take on board a plane is 550mm.

545mm ☐

560mm ☐

595mm ☐

495mm ☐

Which of these bags could be taken on board?
Tick the bags.   **1 mark**
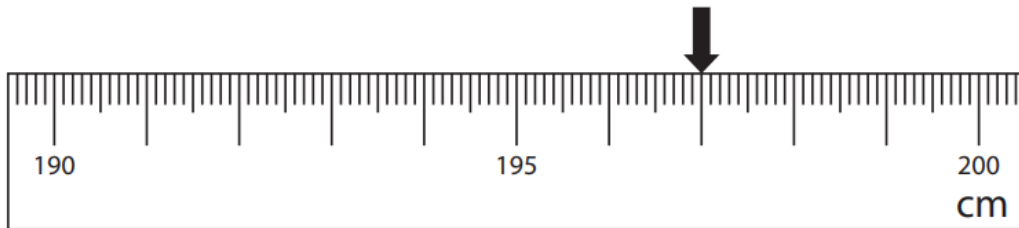
Calculator Questions

Edexcel

1.

Riya wants to put a cupboard and a table in the living room.

The arrow on the scale shows the width of a space in the living room.

The width of the cupboard is 1 m.
The width of the table is 84 cm.

Will the cupboard and table fit in the space?   (3)

☐

Show why you think this.

Show your working and your answer in the box below.

> Tick (✔) the correct answer.
>
> Yes ( )   No ( )

2.

Riya wants to buy a bookshelf to fit under a window.

The bottom of the window is 1.43 m from the floor.

Riya buys the tallest bookshelf that will fit.

Which bookshelf does Riya buy?   (1)

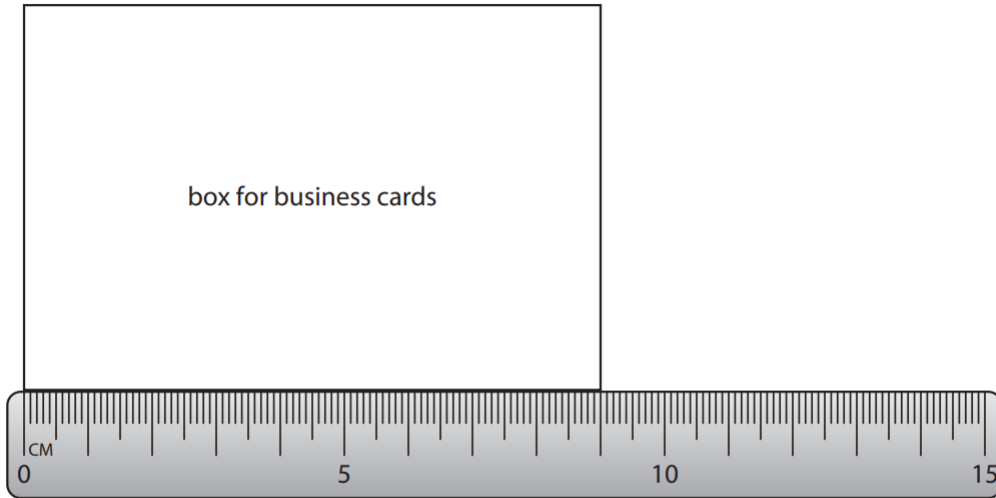Tick (✔) the correct answer.

Bookshelf heights

1.3 m	1.39 m
( )	( )
1.35 m	1.62 m
( )	( )
0.95 m	1.4 m
( )	( )

3.

Bret sells business cards in a box.

box for business cards

The length of the business cards needs to be 20 mm less than the length of the box.

Bret says the business cards will be 6 cm in length.

Is Bret correct?

Show why you think this.   (3)
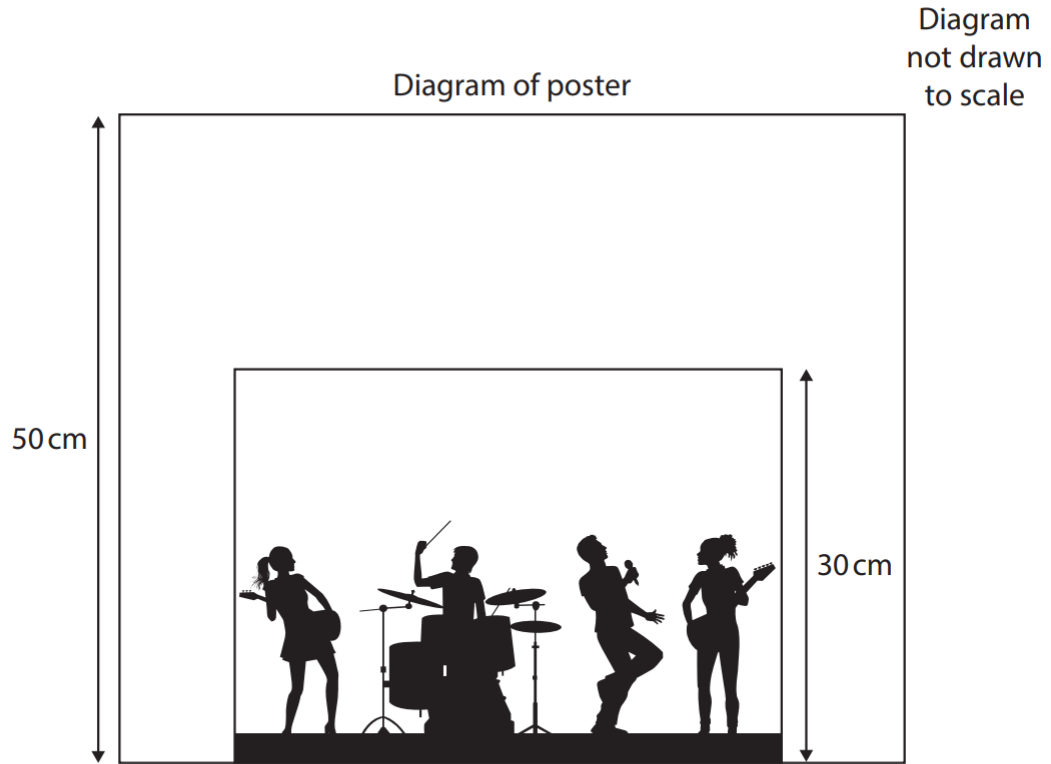
Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

4.

Bret designs a poster about a concert.

He puts a picture on the poster.

Diagram not drawn to scale

Diagram of poster

50 cm

30 cm

How far is the top of the picture from the top of the poster?

(1)

Show your answer here.

_____cm

5.

Bret makes a sign for a van.

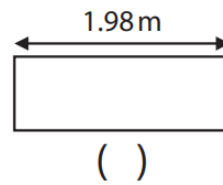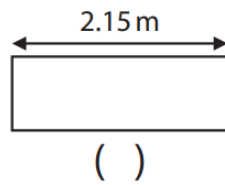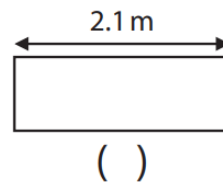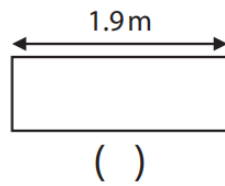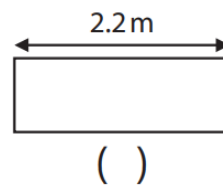The space for the sign is 2.05 m in length.

Bret makes signs of different lengths.

Which is the longest sign that fits in the space? (1)

Tick (✔) the correct answer.

1.83 m	2.2 m
( )	( )

1.9 m	2.1 m
( )	( )

2.15 m	1.98 m
( )	( )
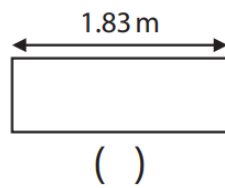
NCFE

6.

Mina checks some websites to find cinemas near her.

Mina writes down the distance from her house to each cinema.

Film World cinema	3.1 km
Ronald Street cinema	3.2 km
Style cinema	3.12 km

Which cinema is furthest from her house?

[1 mark]

7.

Alex plays football after lunch.

The college has four outdoor playing fields of different lengths.

700 metres	400 metres	0.5 kilometres	0.8 kilometres
A	**B**	**C**	**D**

Alex thinks field A is the longest.

Is he correct?

Give a reason for your answer.

[2 marks]

8.

Claire wants to stay close to the beach.

She finds this information.

Sun Hotel

0.5 kilometres to the beach

Palm Hotel

490 metres to the beach

Grand Hotel

0.6 kilometres to the beach

Vista Hotel

540 metres to the beach

She thinks the Sun Hotel is the closest hotel to the beach.

Is she correct?

Give a reason for your answer.

[2 marks]

9.

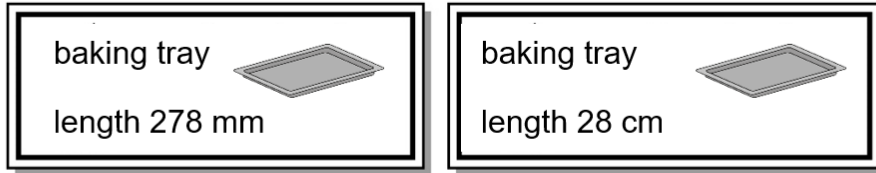Claire buys an envelope to keep her travel money in.
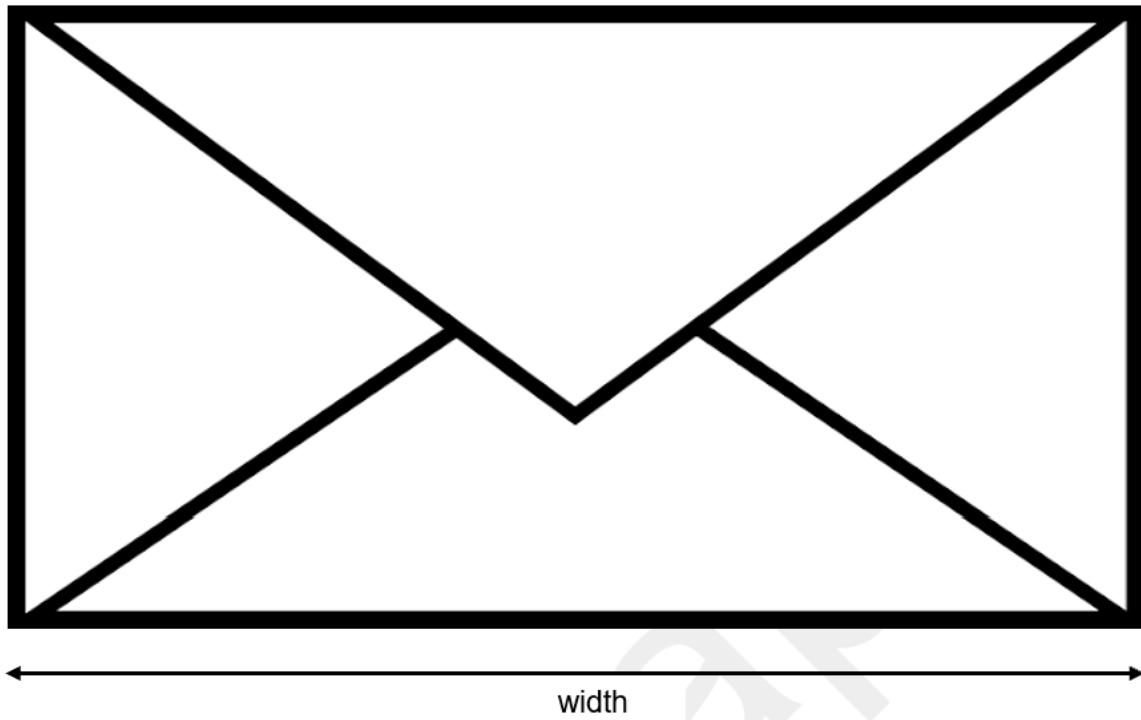
width

Measure the width of the envelope.

[1 mark]

10.

Amy needs to order new baking trays.

She finds these trays.

baking tray	baking tray
length 278 mm	length 28 cm

Amy thinks the 278 mm baking tray is longer than the 28 cm baking tray.

Is she correct?

Give a reason for your answer.

[2 marks]

11.

Carly takes Alfie for a walk in the woods.

There are four paths in the woods.

Carly chooses the longest path.

Which path does she choose?

Tick (✓) your answer.

[1 mark]

625 metres	0.7 kilometres	595 metres	0.5 kilometres
A ( )	B ( )	C ( )	D ( )

12.

Rachel walks these distances at the festival.

Which is the longest distance?

Tick (✓) your answer.

[1 mark]

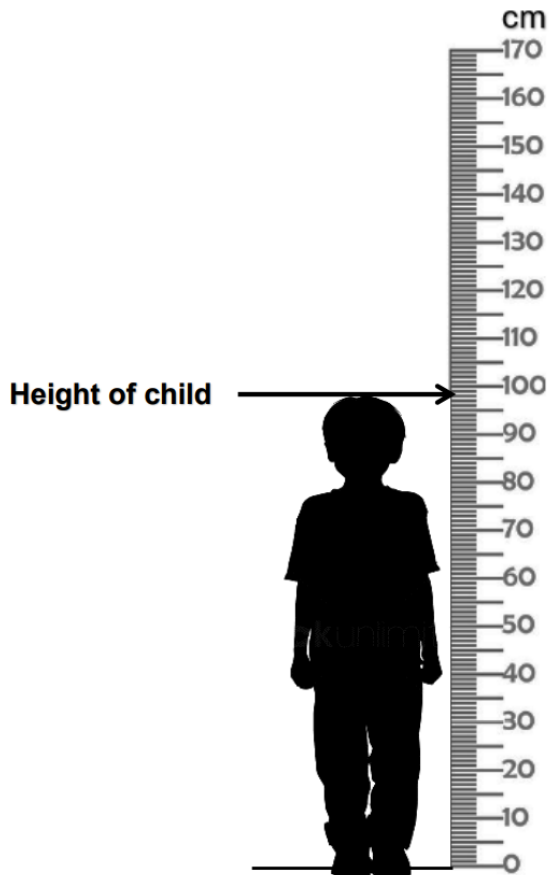| Thursday 0.9 kilometres	Friday 900 metres	Saturday 1.9 kilometres	Sunday 990 metres
A ( )	B ( )	C ( )	D ( )

City & Guilds

13.

A family sees a poster for a Fun Fair.

It says children have to be **over 102cm** tall to go on the rides.
They need to check their child's height before they go to the Fun Fair.

Height of child

Can the child go on the rides?
Give a reason for your answer.
Use numbers to help you.

Show your working out

Can the child go on the rides? Yes/No ....

Reason

....

....

....

2 marks

14.a)

A man wants to buy a wardrobe.

The shop has these wardrobes.

Wardrobes

Model	Width	Price
M 20	135 cm	£340
M 40	155 cm	£300
M 50	140 cm	£325
M 70	138 cm	£290
M 80	210 cm	£359

He measures the space for the wardrobe.

Edge of space comes to here

5   136   137   138   139   140   141   142   143   144   145   146   147   148   149

cm
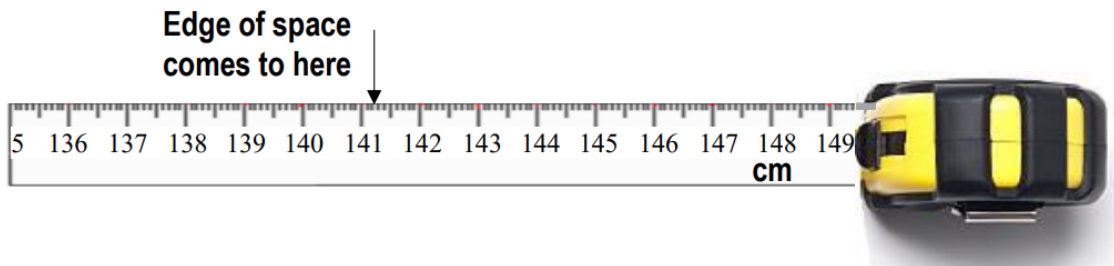
Which wardrobes will fit into the space?

2 marks

Models that fit _____

b)

Which wardrobe should the man buy?
Give a reason for your answer.

Model _____   **Price £** _____

Reason ....

....

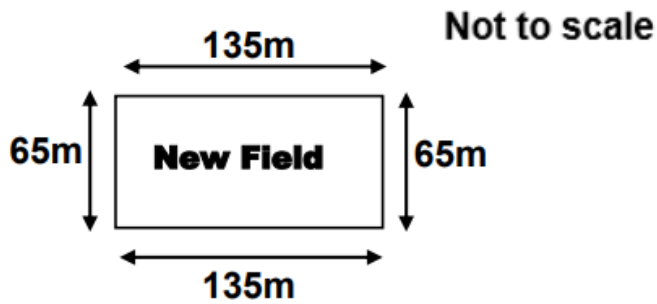...

2 marks

15.a)

The farmer decides to rent the field. It needs a new fence all the way round the edge. He measures the sides of the field.

Not to scale

135m

65m   **New Field**   65m

135m

What length of fencing will he need?

Space for working out

.... metres   **1 mark**

b)

Wire fencing is sold in **50 metre** rolls.

What number of rolls will the farmer need to buy?

Show your working out

.... **rolls**

2 marks

Open Awards

16.

(2 marks)

The leisure centre has 5 swimming pools.

Pool	Length
1	7400mm
2	850cm
3	8m
4	750cm
5	8100mm

Hanif wants to swim in the longest pool.

What is the length of the longest pool?

17.

(2 marks)

The dog walks **1.25 km** every day.

How far does he walk in a **week**?