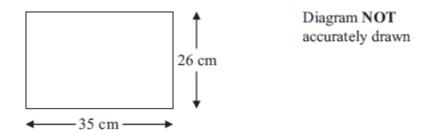
1.	The we	eight of a bag of potatoes is 25 kg, correct to the nearest kg.	
	(a) W	Vrite down the smallest possible weight of the bag of potatoes.	
		kg)
	(b) W	Vrite down the largest possible weight of the bag of potatoes.	
		kg)
		(Total 2 marks	
2.	The len	ngth of a line is 63 centimetres, correct to the nearest centimetre.	
	(a) W	Vrite down the least possible length of the line.	
		centimetres (1)
	(b) W	Vrite down the greatest possible length of the line.	
		centimetres	
		(1 (Total 2 marks	
		(10tai 2 mai ks	,

3.	A fiel	ld is in the shape of a rectangle.	
		ngth of the field is 340 m, to the nearest metre. dth of the field is 117 m, to the nearest metre.	
	Calcula	ate the upper bound for the perimeter of the field.	
			m
			(Total 2 marks)
4.			(Total 2 marks)
4.	The wid	gth of a rectangle is 30 cm, correct to 2 significant figures. Ith of a rectangle is 18 cm, correct to 2 significant figures.	(Total 2 marks)
4.		gth of a rectangle is 30 cm, correct to 2 significant figures.	(Total 2 marks)
4.	The wid	gth of a rectangle is 30 cm, correct to 2 significant figures. Ith of a rectangle is 18 cm, correct to 2 significant figures.	(Total 2 marks)
4.	The wid	gth of a rectangle is 30 cm, correct to 2 significant figures. Ith of a rectangle is 18 cm, correct to 2 significant figures.	(Total 2 marks)
4.	The wid	gth of a rectangle is 30 cm, correct to 2 significant figures. Ith of a rectangle is 18 cm, correct to 2 significant figures. Write down the upper bound of the width.	(Total 2 marks)
4.	The wid (a)	gth of a rectangle is 30 cm, correct to 2 significant figures. Ith of a rectangle is 18 cm, correct to 2 significant figures. Write down the upper bound of the width.	(Total 2 marks)
4.	The wid (a)	gth of a rectangle is 30 cm, correct to 2 significant figures. Ith of a rectangle is 18 cm, correct to 2 significant figures. Write down the upper bound of the width.	(Total 2 marks) (1)
4.	The wid (a)	gth of a rectangle is 30 cm, correct to 2 significant figures. Ith of a rectangle is 18 cm, correct to 2 significant figures. Write down the upper bound of the width.	(Total 2 marks) (1)
4.	The wid (a)	gth of a rectangle is 30 cm, correct to 2 significant figures. Ith of a rectangle is 18 cm, correct to 2 significant figures. Write down the upper bound of the width. Calculate the upper bound for the area of the rectangle.	(Total 2 marks) (1)

5.



The length of the rectangle is 35 cm correct to the nearest cm. The width of the rectangle is 26 cm correct to the nearest cm.

Calculate the upper bound for the area of the rectangle. Write down all the figures on your calculator display.

cm ²	•••••	 ••••	••••	• • •
(Total 3 marks)				

6.	A field is in the shape of a rectangle. The width of the field is 28 metres, measured to the nearest statement of the shape of a rectangle.	est metre.
((a) Work out the upper bound of the width of the field	
		metres (1)
The	length of the field is 145 metres, measured to the nearest 5	metres.
(b) \	Work out the upper bound for the perimeter of the field.	
		metres (3)
		(Total 4 marks)
7.	Steve measured the length and the width of a rectangle. He measured the length to be 645 mm correct to the neare He measured the width to be 400 mm correct to the nearest	
	Calculate the lower bound for the area of this rectangle. Give your answer correct to 3 significant figures.	
		mm ² (Total 3 marks)

8.	The average fuel consumption (c) of a car, in kilometres per litre, is given by the formula
	$c = \frac{d}{f}$
	where d is the distance travelled, in kilometres, and f is the fuel used, in litres.
	d = 163 correct to 3 significant figures. f = 45.3 correct to 3 significant figures.
	By considering bounds, work out the value of c to a suitable degree of accuracy. You must show all of your working and give a reason for your final answer.

c =

(Total 5 marks)

	V = I R
	e current in amps resistance in ohms.
Given that	V = 218 correct to 3 significant figures, R = 12.6 correct to 3 significant figures,
calculate the	lower bound of <i>I</i> .
	(Total 3 mar

*10.
$$m = \frac{\sqrt{S}}{t}$$

s = 3.47 correct to 2 decimal places.

t = 8.132 correct to 3 decimal places.

By considering bounds, work out the value of m to a suitable degree of accuracy.

You must show all your working and give a reason for your final answer.

(Total 5 marks)