Write 327 correct to the nearest ten.

7 > 5, so we need to round up = 330

330



(Total for Question 1 is 1 mark)

2 Freddie measured the length of a pencil as 7.2 cm correct to 1 decimal place.

Complete the error interval for the length, p cm, of the pencil.

Error interval =
$$\frac{0.1}{2}$$
 | Lower interval = $7.2 - 0.05$ | $= 7.15$ | $= 0.05$ | Upper interval = $7.2 + 0.05$ | $= 7.25$ | $= 7.25$ | (Total for Question 2 is 2 marks)

3 (a) Work out an estimate for the value of 92×1.63 You must show all your working.

Round the values 92 and 1.63
e-g. round 92 to 90
round 1.63 to 1.5
92 x 1.63 & 90 x 1.5 (1)

		9	\bigcirc
	X	L.	5
	4	5	0
+	9	ō	
ι	3	5	. 0

185

Given that

$$2.96 \times 3.2 = 9.472$$

(b) find the value of 29.6×32

$$29.6 \times 32 = (2.96 \times 10) \times (3.2 \times 10)$$

$$= 2.96 \times 3.2 \times 100$$

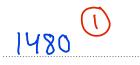
$$= 9.472 \times 100$$

947.2

(Total for Question 3 is 3 marks)

4 Write 1476 to the nearest 10

6 is greater than 5 so round up



(Total for Question 4 is 1 mark)

Write 19.4949 correct to the nearest whole number.



6 (a) Write 87569 correct to 3 significant figures.

87600

87600

(Total for Question 6 is 1 mark)

7 A total of 700 tickets were on sale for a football match.

For a different football match,

297 tickets were sold for £9.50 each.

399 tickets were sold for £19.50 each.

(b) Work out an estimate for the total amount of money paid for these tickets. You must show all your working.

estimate = rounding the numbers