

Functional Skills Maths Assessment Entry 3

Learner Name: _____

Centre: _____

Assessment Date: _____

Assessment Duration: _____

Assessment Number: SAMPLE

Calculators allowed.

You have one and a half hours to complete the paper.



Mobile Phone Tariffs

Mobile Phone	Camera?	Rental per month	Free texts
Nokia	Yes	£20	100
Samsung	Yes	£22	75
Motorola	No	£14	50
LG	No	£15	100
Sony	Yes	£19	80

1a. How many phones have cameras? (1 mark)

1b. Show this as a fraction. (1 mark)

2. Which has the cheapest rental per month? (1 mark)

3. How much would it cost per month for two Sony phones? Show your working. (2 marks)

4. If you have a Nokia and use a quarter of your texts one month, how many texts would you use? Show your working. (2 marks)



5. Round the weights of each of the phones to the nearest 10 grams. (5 marks)

Mobile Phone	Actual weight in grams	Rounded to nearest 10 grams
Nokia	175	
Samsung	217	
Motorola	283	
LG	164	
Sony	403	

6a. How much heavier is the Sony than the Nokia? Use the **actual** weights. Show your working. (3 marks)

6b. Show how you can check that your answer is correct. (1 mark)



7. You buy the Nokia phone. In the first month, you use all 100 free texts and use thirty six more texts. You have to pay **5p** per text when you have used all your free texts.

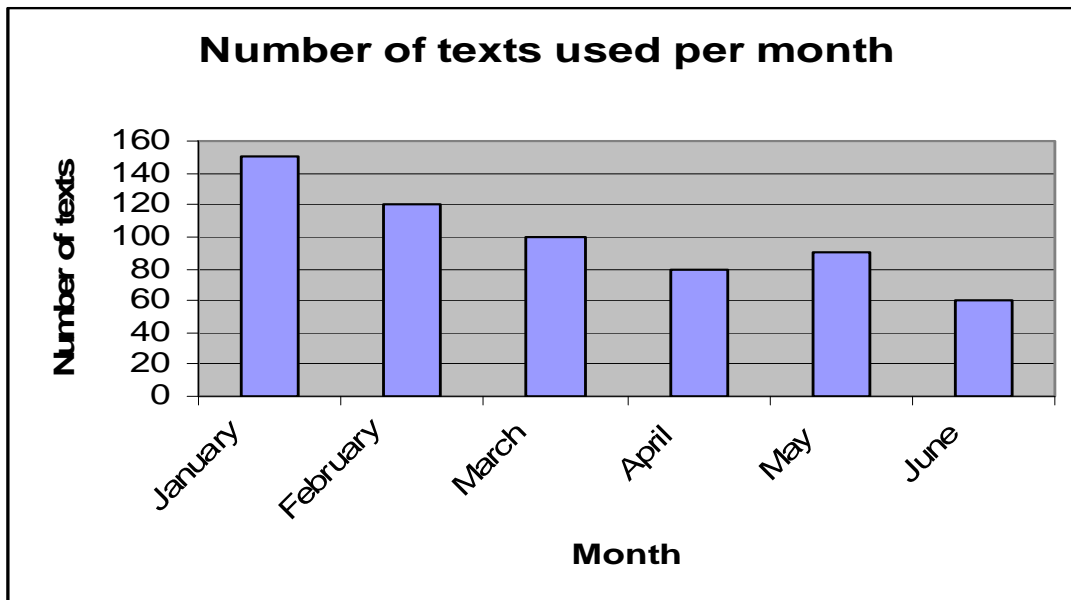
How much more will you have to pay?

Give your answer in pounds and pence, e.g. £5.60 Show your working. (3 marks)

Show how you could check your answer. (1 mark)



8. This bar chart shows the number of texts you use each month.



a. In which month do you use the least number of texts?

(1 mark)

b. In how many months do you use less than 110 texts?

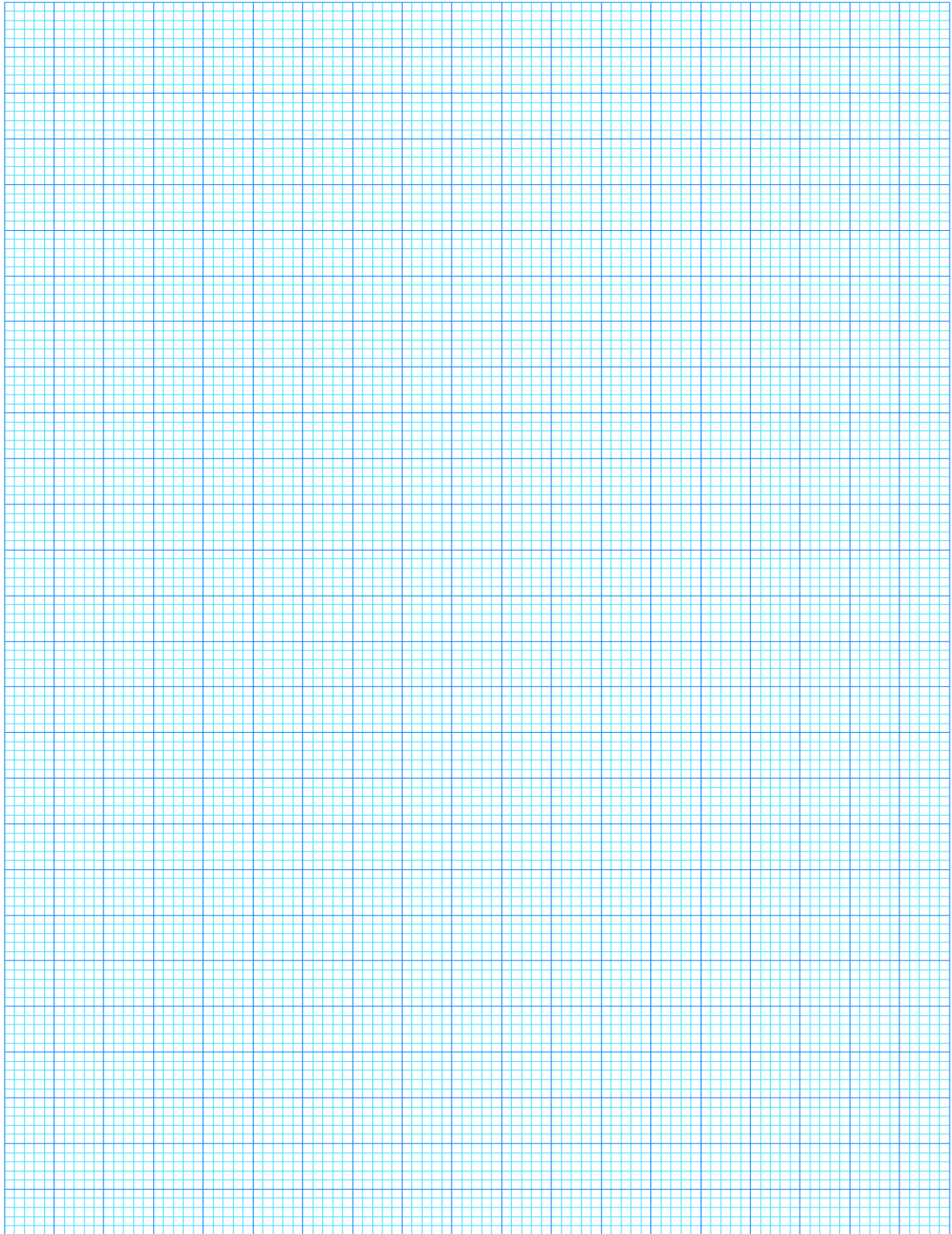
(1 mark)

c. You use the following number of texts from July to December:

July	85
August	110
September	140
October	100
November	50
December	90

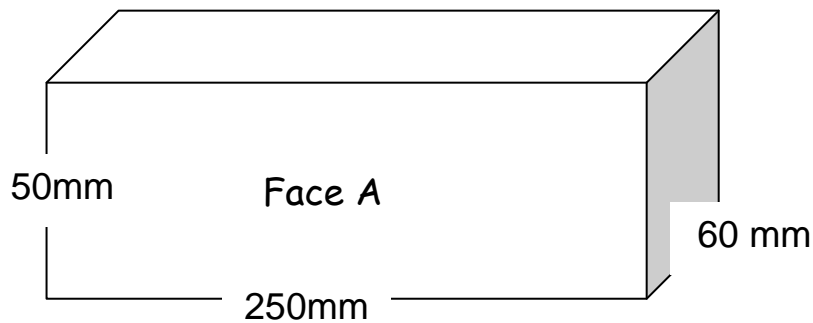
Use the graph paper, to draw a bar chart to show this information. (10 marks)





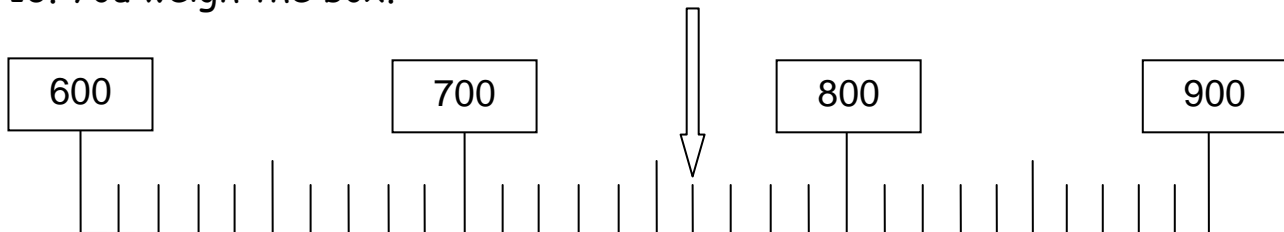
Your phone is not working. You have to send it back. You weigh the phone in the box.

9a. What shape is the box below? _____ (1 mark)



9b. What shape is Face A? (1 mark)

10. You weigh the box.



The arrow shows the weight of the box.

How many grams is this to the nearest 10 grams?
(1 mark)



11a. The Nokia phone weighs 175 grams. Use your answer to question 10 to work out how much the box weighs. Show your working. (2 marks)

11b. Show how you could check your answer. (1 mark)

12. The phone measures 12 centimetres long and 5 centimetres wide. Use a ruler to draw the shape of the phone. (2 marks)
Label it with the measurements. (1 mark)

