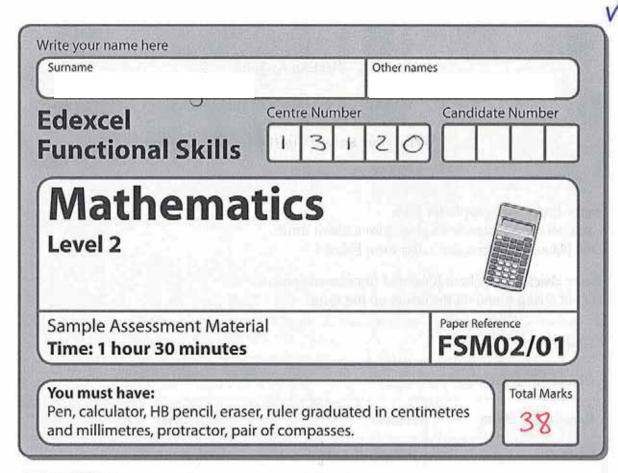


# Sample Assessment Material

## with example answers and examiner marks

These marked sample sssessement papers are to aid in teaching and learning and should be used as a guide only.





#### Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer all questions.
- Answer the questions in the spaces provided

   there may be more space than you need.
- Calculators may be used.

#### Information

- The total mark for this paper is 48.
- The marks for each question are shown in brackets
   use this as a guide as to how much time to spend on each question.
- Where you see this sign you should show clearly how you get your answers as marks will be awarded for your working out.

#### Advice

- Read each question carefully before you start to answer it.
- Show all stages in the calculations.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

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Turn over 
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33

What should the correct Total claim be?

(4)

Use the box below to show clearly how you get your answer.





(Total for Question 1 = 4 marks)

Sample Assessment Materials

Draw a chart or table to show the times and rooms for the 5 people being interviewed.

(4)

Use the box below to show your answer clearly.

9.00	15mins	Ali Room I.	Ben Room Z	Charlie Room 3	Da	n   Erica	
					Waiting	Waiting	
9.15	5 min			Met I	Room	Report Lagrag	
9-20	15min	R3	Waiting	Waiting	R1	RZ	
9.35	5 min			rest f	HINE LA	A PROPERTY	
9.40	15mins	RZ_	R1	Waiting	R3	Waiting	1
9.55	5 mins						-
10.00	15 mins	Waiting	R3	P31	22	Waiting	
10.15	5 mins						
1030	15 mins	Wailing	Waiting	RZ	Waiting	RI	
10:45	5mins		The state of			edelaharan	
1050	IS mins	Waiting	Waiting	Whiting	Waiting	23	
	1.12			THU I K	101	4.48	

Should be 10:20

All people allocated to rooms.

All criteria met.

Error in last three times.

2+1=3

(Total for Question 2 = 4 marks)

(b) Which job pays the most money?

(6)

Use the box below to show clearly how you get your answer.

Able Computer Sales = 
$$\pm 23,000 \text{ V}$$
  
Beta IT Support =  $\pm 23,400 \text{ V}$   
Compu Systems =  $\pm 1800 \times 12 = \pm 21600$ 

Digital Hardware = £20,000 ÷100 x 20

Digital Hardware

- . All converted to yearly solaries for comparson
- compu systems commission worked out correctly but only added on at end - should have been included each month
- Conect decision made for cardidates

(Total for Question 3 = 8 marks)

The height of the hedge is 3 m.

Should the council order the neighbour to cut the hedge?

(3)

Use the box below to show clearly how you get your answer.

NO because the maximum (17th)
height for this hedge is 4-6 m.
This is a correct decision for
the cardidate's value of 4.6 m
so gains a mark.

0+1=

(Total for Question 4 = 3 marks)

The council wants to buy another van of the same make and model to deliver meals. One van is 2.5 years old.

(b) How much should the council expect to pay for the van?

(2)

Use the box below to show clearly how you get your answer.

2 years £9800 3 years £8500 £18300 - 2 = £9150

(a)
Graph - a bar graph is not appropriate the cardidate should have drawn
a line graph or scatter graph

(b) calculation - the cardidate has used the calculate values in the table to calculate a linear midpoint and arrives at an appropriate estimate.

0+2=(

(Total for Question 5 = 5 marks)

Jenny has to reduce the cost of grit mixture for the council. She recommends changing to the following mixture.

### Jenny's mixture

Grit mixture has a salt content of 25% by weight.

The council will still use 300 tonnes of this grit mixture each day the roads are icy. The cost of materials has not changed.

It is predicted that there will be 29 days in 2010/11 when the roads are icy. Jenny compares the cost of her plan with last year's plan for 29 days.

Jenny says her plan will cost less than last year's plan.

(b) What is the difference in cost for the council if they use Jenny's mixture for 2010/11?

Use the box below to show clearly how you get your answer.

(Total for Question 6 = 8 marks)

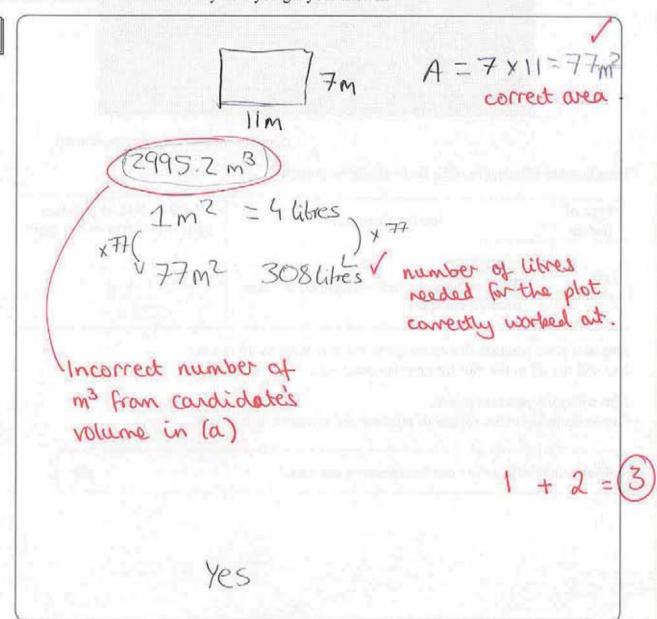
Use the box below to show clearly how you get your answer. (Total for Question 7 = 4 marks) Jeba can cover 0.25 m2 of the vegetable plot with 1 litre of compost.

The vegetable plot is a rectangle which measures 11 m by 7 m.

1 litre = 
$$1000 \text{ cm}^3$$
  
 $1000 \text{ litres} = 1\text{m}^3$ 

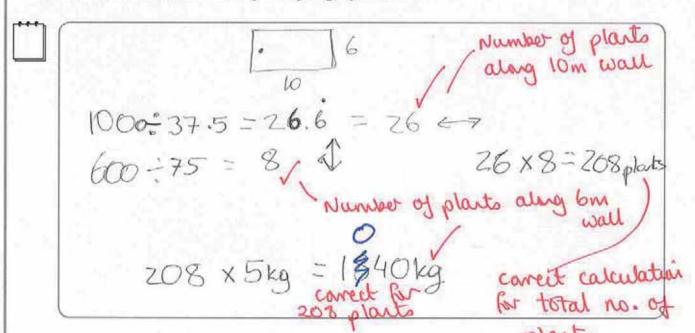
(c) Can Jeba cover all of the vegetable plot with compost from one compost bin? (4)

Use the box below to show clearly how you get your answer.

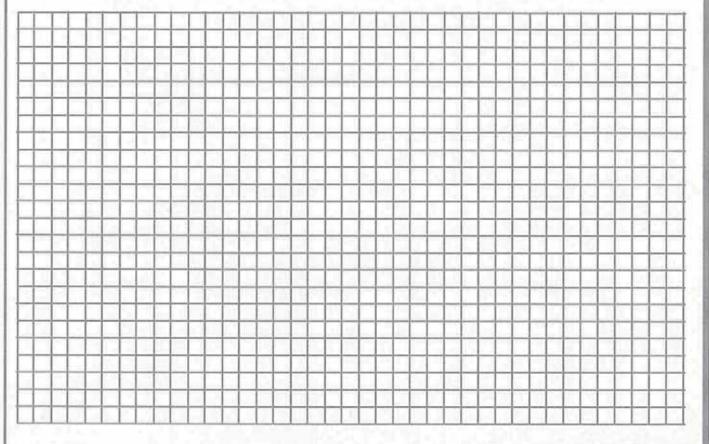


(Total for Question 8 = 9 marks)

Use the box below to show clearly how you get your answer.



You can use this grid to help you work out your answer.



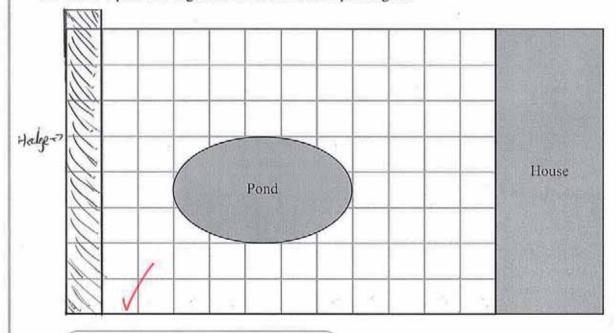
Sample Assessment Materials

(Total for Question 9 = 3 marks)

TOTAL FOR PAPER = 48 MARKS

Lucy wants to plant a hedge in her garden.

She draws a plan of her garden on a centimetre squared grid.



Key: 1 cm on the plan = 1 m in the garden

The hedge will be 1 m wide and 8 m long.

The hedge will be in the shape of a rectangle.

The hedge will run parallel to the house at the bottom of the garden.

(c) Show the hedge on Lucy's plan.

(2)

Lucy wants to know the height allowed for her hedge.

(d) What is the height allowed for Lucy's hedge?

(2)

Use the box below to show your calculations.

-> divide by2 -> add Impre. Distance in metres

correct value of 11 m used = 6.5 metres

(Total for Question 2 = 7 marks)