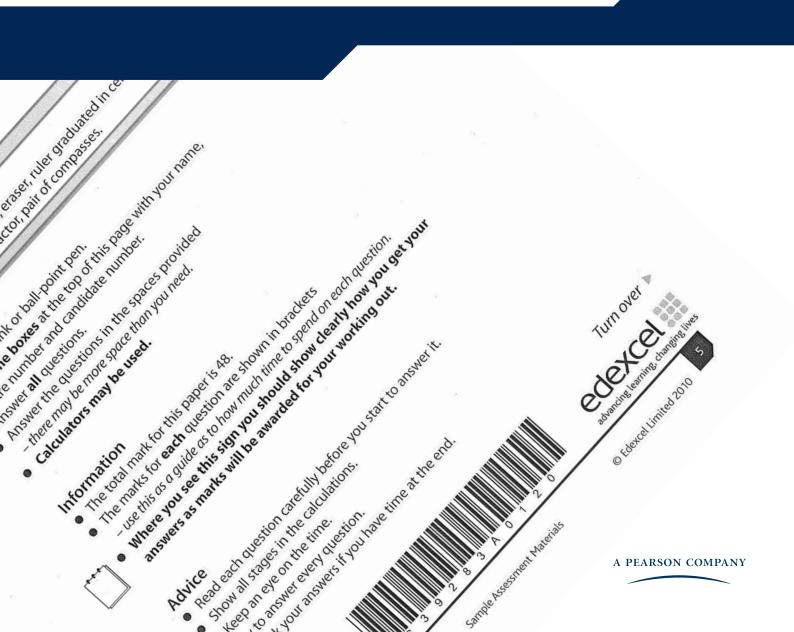


Sample Assessment Material

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.



Kazimierczyk	Jegiev	la	
dexcel unctional Skills	Centre Number	Candidate Number	
Mathema Level 2	tics		
Sample Assessment Material Time: 1 hour 30 minutes		Paper Reference	

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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Sample Assessment Materials

Turn over 🕨

edexcel



What should the correct Total claim be?

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

28 × 29 = £8.12 4.80 + 23.40/= +8.20 122.50 + \$8.12 + 8.20 = \$138.82 4 (Total for Question 1 = 4 marks)

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(4)

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.

÷

) Ali	Ben	Charlie	Dan	Erica
00/ ISnins	Room I.	Room Z	Room 3	Waiking	Waiting
5 5min		in all the literature		Room IL	Room 24
20 15min	R3	Waiting	Waiting	R I	RZ
35 Smin					
40 15mins	RZ	R1	Waiting	R3	Waiting
55 5 mins		0.2	0.61	07	Wonking
OD 15 mins	Waiting	R3	R\$1	RZ	MONING
15 5 mins					
30 15 mins	Waiting	Waiting	RZ	Waiting	RI
45 Smins					
50 IS Mins	Waiting	Waiting	Waiting	Waiting &	23
NO 1 1 2 12 1 1 2					
	AU vi	ple alloco teria met	sted to ro		

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(b) Which job pays the most money?

(6)

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

Able Computer Sales = ±23,000 V Beta IT Support = £ 23,400 V Compu Systems = _ _____ = _____ £22000 -100 = £220 / £ 21600 + £ 220 + 21,820 missing. Digital Hardware = ±20,000 ÷100 ×20 = 4000 \$20,000 + 4000 = \$24,000 3+2= Digital Mardware All converted to yearly salaries for comparison Compu systems - commission worked out correctly but only added on at end - should have been included each month · Conect decision made for candidates (Total for Question 3 = 8 marks)

The height of the hedge is 3 m.

Should the council order the neighbour to cut the hedge?

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

NO because the maximum (rft) height for this hedge is 4-6 m. This is a correct decision for the candidate's value of 4.6m so gains a mark. O+ 0 + 1 = (1)(Total for Question 4 = 3 marks)

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(3)

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. Zyears £9800 Zyears £8500 £18300 - Z = £9150 (a) Graph - a bar graph is not appropriate -the condidate should have drawn a line graph or scatter graph calculation - the candidate has used the values in the table to calculate a linear midpoint and arrives 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.

300 = 4 = 75 tonnes of salt 75 × 29 days = 2175 × 27195 = 218564912) -75 = 225 tonnes of sand 225 × £ 12.21 = £2747.25 ×29 = £79670.25 £156491.25 + \$79670.25 = £236161.5 All calculations are fully correct. 23519695-EZ36161.5 = 23283533.5 cardidate's yearly total 3+2= (5 Bund in (a) was incorrect but has been used correctly. (Total for Question 6 = 8 marks)

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Use the box below to show clearly how you get your answer. (Total for Question 7 = 4 marks)

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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. $1 \text{ litre} = 1000 \text{ cm}^3$ 1000 litres = $1m^3$ (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. A = 7 × 11 = 77m correct area 7m IIM 2995.2 m² 1 m² = 4 libres H(77m² 308 libres / number of libres readed for the plot correctly worked at. Incorrect number of m³ from cardidate's volume in (a) Yes (Total for Question 8 = 9 marks)

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

Number of plants along IOM wall 10 1000:37.5 = 26.6 = 600-75 = 81.1 76 € 26 × 8=208 plarts Number of plants along 6m) wall 208 × 5kg E calculation no. You can use this grid to help you work out your answer. (Total for Question 9 = 3 marks) **TOTAL FOR PAPER = 48 MARKS**

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