Pass Functional Skills

AQA

Please write clearly in	block capitals.
Centre number	Candidate number
Surname	
Forename(s)	
Candidate signature	

Functional Skills Level 1 MATHEMATICS

Paper 2 Calculator

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a calculator
- mathematical instruments.

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- · Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.
- State the units of your answer where appropriate.

Information

- · The marks for questions are shown in brackets.
- The maximum mark for this paper is 60.
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.
- If your calculator does not have a π button, take the value of π to be 3.142

Advice

In all calculations, show clearly how you work out your answer.





8361/2 QAN 603/4257/2

IB/H/Nov21/E6



FUNCTIONAL SKILLS ONLINE COURSES

tional Skills English Initial Assessment	Based on you assessmen curre From this dia the followi	r results from this initial t, we estimate you are ntly at Level 1.5. gnostic, we think one of ng courses would be suitable:
🕐 🛞 13 Guestions 🛛 😹 No Time Limit	L Functi Maths	ional Skills 5 Level 2
Start Initial Assessment	≡ 35 Topic Count	© 105 Tests
Functional Skills Maths Initial Assessmen	it is	1 43 Mock Exams
😢 🖲 25 Quastions 🔹 No Time Limit . Mixed Calculator		Enrol Now
	Pi	ck my own

- Your answers are analysed to determine your Current Level
- Suggested courses for you to enrol on based on your calculated level
- Always know the level you are currently working at
- Determine when you are ready to sit your exam



- Explainer videos on every topic
- Quick-fire style mutiple choice questions
- Test your knowledge with exam-style questions
- Written solutions for all questions



- See your progress through as you progress through each topic area
- Get your average scores for practice questions, topic tests and mock exams
- View all practice question, topic test and mock exam attempts over time
- View historical attempts to analyse your progress over time

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You must show your working.	20	/0 01 120		
				[3 marks
15-1- of 180	10 / of	180	= 18	
	5 1. of	180	-+ 9	
	151 of	180	= 27	
201. of 120 :	101. of	120	- 12	
	201. of	120	= 24	
So 201. of	120 is sm	aller		
Here are five numbers.				
37	58 19	12	58	
Work out the range.				[2 marks
range = biggest	- Smallest			
58 - 19	2 = 46			



Do not write

outside the box

Section B

5

Answer all questions in the spaces provided.

8 Charity shop

Melissa works in a charity shop. People donate clothing to the shop. Some of the clothing is sold in the shop and some is sold for recycling.

8 (a) Melissa keeps a record of the clothing sold in the shop one month.

Item of clothing	Tally	Frequency
Shirt	₩₩₩	15
Coat	HH II	7
Jumper	₩₩₩₩₩ III	23
Dress	₩ ₩ I))

Melissa says,

"More than a quarter of the items sold were shirts."

Is Melissa correct?

You must show your working.

[5 marks] Total = 15+7+23+11 = 56. a guarter of 56 = 56 = 14 There are 15 shirts so yes mellissa is correct as a quarter 13 14 Question 8 continues on the next page



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Do not write outside the 8 (b) When Melissa sells clothing for recycling, she receives box a basic amount of £1.20 per 500 g of clothing 10% extra if she sells a batch with more than 100 kg of clothing. Melissa sells a batch with 143.5 kg of clothing for recycling. How much does she receive? [5 marks] $143.5kg \times 2 = 287$ $287 \times 1.2 = £344.40$ 10% of \$344.40 = \$34.44 344.40 + 134.44 £ 378.84 = Answer £ 378.84





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9		Bakery	Do not write outside the box
		Brandon works in a bakery.	
9	(a)	Brandon uses scone mix to make scones.	
		He needs 360 g of scone mix to make 8 scones.	
		wants to make 40 scores	
		has 200 g of scone mix.	
		How much more scone mix does he need? [3 marks]	
		to make 40 scones	
		40 - 8 = 5	
		needs 5x 360g = 1800g	
		he has 200g, so needs 1800 - 200g = 1600	9
		Answer 6CO g	











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10	Working from home	Do not write outside the
	Spencer works from home for a call centre.	DOX
10 (a)	Spencer works	
	3 days a week	
	from 7.30 am until 12 noon each day.	
	He is paid £151.47 per week.	
	Is this more than £11 per hour?	
	You must show your working.	
	[4 marks]	
	7:30am - 12noon = 4 hours 30 mins	
	= 4.5 hours	
	Our day - (1.5 bours	
	per aug 4.5 nouis	
	per meet $-3 \times 4.5 = 13.5$ hours	
	per hour - E151.47 - 13.5 = E11,22	
	Yes, he is paud Ell. 22 which is more	
	than Ell per hour	
	Question 10 continues on the next page	



box

Do not write outside the Spencer can claim an amount for each page he prints for work. 10 (b) One month, he claimed £2.76 he printed 138 pages. The next month, he printed 97 pages. At the same rate, how much can Spencer claim? [3 marks] 12.76 - 138: 0.02 0.02 × 97 = É1.94 Answer £ 1.94



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10 (c)	Spencer makes p	hone calls for	work				Do not write outside the
10 (0)	He has a target th	at on average	work.	uld last loss t	then E minut		box
	Here are the time	s that his calls	s lasted one o	ay.	than 5 minute	JS.	
		Time	spent on pho	ne calls in mir	nutes		
	7	3	2	11	7	5	
	6	5	9	1	6	7	
	Did Spencer hit h	is target that d	tav2				
	You must show y		lay:				
	,	our working.				[3 marks]	
	mean =	7+3+2	2+11+7	+ 5 + 6	0+9+	9+1+6+7	
	2	69					
			19				
	c	9 - 10	2 = 5	.75			
	No he dic	l not h	it his L	arget			
				0			
							10
		_					
		Turn ov	er for the ne	xt question			
						Turn over	•







15

			Do not write outside the
11 (b)	On the last day, the students will		box
100	have a 40-minute lunch		
	then a 15-minute registration		
	then a 35-minute assembly.		
	The students will leave school at 1.50 pm		
	What is the latest time lunch should start?	[3 marks]	
	1.50 - 35 minutes = 1.15pm		
	1-15pm - 15 minutes = 1.00pm		
	1.00pm - 40 minutes = 12.20pm		
	Answer 12.20 pm		
	Question 11 continues on the next page		
		Turn over 🕨	•



16

Shop A		Shop B
Jackets usual p	rice £24	Jackets usual price £21.80
Special O $\frac{1}{3}$ off the usual	ffer al price	Special Offer Buy one, get second half price
He wants to pay the low	est price possib	le.
Which of these shops s	nould Javed cho	oose?
You must show your w	orking.	[6
Shop A:	£24 - 3 = 24 - 8	$= \pm 8 \text{ off}.$ = $\pm 16 \times 2 = (\pm 32)$
Shop B	£ 21.80	C
	É21.8($5 \div 2 = \pm 10.90$
	Total	£32.70
C	Shop Au	sould be cheaper.









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