

Highfield Functional Skills Qualification in Mathematics at Level 2

PAPERCODE: FSQN211P

Question	Total marks	Subject content	Process	Marker annotation	Accepted answer AFT = allow follow through CAO = correct answer only
Underpinning Knowledge					
1	2	23	Evidence of ordering values	1CA	CAO 10, 15, 19, 21, 24, 36, 36, 36, 45, 48, 50, 92
		23	Calculate the median	1CA	CAO 36
2	2			2CA	CAO 54.4
		If the answer is incorrect revert to:			
		10	Multiply the numbers without the decimal	1a	CAO 64 x 85 = 5440 <i>Allow for other valid methods</i>
	10	Add in the decimal point correctly	1b	AFT 54.4(0)	
Problem-Solving					
3	3			3CA	CAO (£)111.24
		If the answer is incorrect revert to:			
		13	Calculate 6% of £900	1a	CAO (£)54.00 or (£)954
		13	Calculate the compound interest on years 2	1b	AFT (£)57.24 or (£)1011.24
	13	Calculate the total interest earned in the 2 years	1c	CAO (£)1011.24 – (£)900 = (£)111.24	

4	4			4CA	CAO 96 <i>0 marks for working out using volume</i>
		If the answer is incorrect revert to:			
		10	Uses correct method to calculate the number of boxes that would fit the given width, depth and height	1a	CAO (120 ÷ 14 or 1.2 ÷ 0.14) (60 ÷ 14 or 0.6 ÷ 0.14) (80 ÷ 25 or 0.8 ÷ 0.25)
		10	Finds two out of three of the correct answers	1b	AFT (120 ÷ 14 or 1.2 ÷ 0.14) = 8 (60 ÷ 14 or 0.6 ÷ 0.14) = 4 (80 ÷ 25 or 0.8 ÷ 0.25) = 3
		10	Finds all three correct answers	1c	AFT (120 ÷ 14 or 1.2 ÷ 0.14) = 8 (60 ÷ 14 or 0.6 ÷ 0.14) = 4 (80 ÷ 25 or 0.8 ÷ 0.25) = 3
5	3	17	Calculate the maximum number of boxes	1d	CAO (8) x (4) x (3) = (96)
		If the answer is incorrect revert to:			
		26	Uses appropriate method to calculate probability	1a	CAO $\frac{1}{5} \times \frac{1}{4}$ OE
		27	Finds correct fraction	1b	CAO $\frac{1}{20}$
		27	Converts fraction to correct percentage	1c	CAO 5%

6	3			3CA	CAO 15:00 or 3:00 pm	
		If the answer is incorrect revert to:				Alternative method:
		15	Calculate the total number of miles travelled	1a	CAO 300 (miles)	CAO Calculates the time taken for each part of the journey <i>1 mark for 3 correct calculations</i> $55 \div 50 = 1.1$ $110 \div 50 = 2.2$ $135 \div 50 = 2.7$
		15	Calculate the total hours travelled	1b	AFT $(300) \div 50 = 6$ (hours)	AFT $1.1 + 2.2 + 2.7 = 6$ (hours)
		15	Calculate the time you will arrive back at the depot	1c	CAO 3:00pm or 15:00 (<i>must include 1 hour for deliveries</i>)	