

Functional Skills Maths Onscreen Mini Test | Level 1 Grouping

Discrete Data | Mark Scheme

Q1

Question	Process	Mark	Mark Grid	Evidence								
	Process to show groups	1	A	Labels for two missing groups e.g. 6 to 10 and 11 to 15								
	Begins to place data into table	1 or	B	Populates table with at least 2 correct frequencies for their groups.								
	Correctly completed table	2	BC	Populates table with the data correctly, i.e. <table><tr><th>group</th><th>frequency</th></tr><tr><td>1 to 5</td><td>3</td></tr><tr><td>6 to 10</td><td>5</td></tr><tr><td>11 to 15</td><td>4</td></tr></table>	group	frequency	1 to 5	3	6 to 10	5	11 to 15	4
	group	frequency										
1 to 5	3											
6 to 10	5											
11 to 15	4											
Total marks for question		3										

Q2

Question	Process	Mark	Mark Grid	Evidence							
	Process to show groups	1	A	Three valid groups e.g. 3 to 4, 5 to 6, 7 to 8							
	Process to place the data into table	1	B	Populate a table with the data (allow 1 error or omission) NB may be inefficient							
	Process to draw a fully correct and suitable table	1	C	Fully correct functional frequency table with three populated groups and sufficient headings to communicate data <table><tr><th>Size</th><th>Frequency</th></tr><tr><td>3 to 4</td><td>3</td></tr><tr><td>5 to 6</td><td>8</td></tr><tr><td>7 to 8</td><td>7</td></tr></table>	Size	Frequency	3 to 4	3	5 to 6	8	7 to 8
Size	Frequency										
3 to 4	3										
5 to 6	8										
7 to 8	7										

Q3

Question	Process	Mark	Mark Grid	Evidence
	Process to show groups	1	A	e.g. 91 – 120, 121 – 150
	Begins to place data into table	1 or	B	Populates table with at least 2 correct frequencies for their groups May be seen in working box (accept lists and tallies)
	Correctly completed table	2	BC	Populates the table with the data correctly 61 to 90 9 91 to 120 4 121 to 150 3
Total marks for question		3		

Q4

Question	Process	Mark	Mark Grid	Evidence								
	Process to show groups	1	A	Three valid groups 5 to 9, 10 to 14, 15 to 19								
	Begins to place data into table	1	B	Populates table with at least 2 correct frequencies for their groups May be seen in working box (accept lists and tallies)								
	Correctly completed table	1	C	Populates table with the data correctly, i.e. <table><tr><th>ages (years)</th><th>frequency</th></tr><tr><td>5 - 9</td><td>7</td></tr><tr><td>10 - 14</td><td>8</td></tr><tr><td>15 - 19</td><td>3</td></tr></table>	ages (years)	frequency	5 - 9	7	10 - 14	8	15 - 19	3
ages (years)	frequency											
5 - 9	7											
10 - 14	8											
15 - 19	3											
Total marks for question		3										

Q5

Question	Process	Mark	Mark Grid	Evidence										
	Process to show groups	1	A	Labels for all valid groups e.g. 1 to 2, 3 to 4, 5 to 6										
	Begins to place data into table	1	B	Populates a table with the data (allow 1 error or omission) Accept either tallies or frequencies										
	Process to fully complete a suitable table	1	C	Fully correct functional frequency table with their three groups and sufficient headings to communicate data, e.g.										
	<table><tr><th>number of people in each household</th><th>tally</th><th>total</th></tr><tr><td>1-2</td><td> </td><td>6</td></tr><tr><td>3 to 4</td><td> </td><td>12</td></tr><tr><td>5 - 6</td><td> </td><td>2</td></tr></table>			number of people in each household	tally	total	1-2		6	3 to 4		12	5 - 6	
number of people in each household	tally	total												
1-2		6												
3 to 4		12												
5 - 6		2												
Total marks for question		3												

Q6

Question	Process	Mark	Mark Grid	Evidence									
	Process to show groups	1	A	Labels for three missing groups i.e. 11 to 20, 21 to 30, 31 to 40									
	Begins to place data into table	1 or	B	Populates table with at least 3 correct frequencies for their groups. NB their groups must cover the data range									
	Correctly completed table	2	BC	Fully correct functional frequency table for their groups, e.g. <table><tr><th>group</th><th>frequency</th></tr><tr><td>1 to 10</td><td>2</td></tr><tr><td>11 to 20</td><td>4</td></tr><tr><td>21 to 30</td><td>5</td></tr><tr><td>31 to 40</td><td>3</td></tr></table>	group	frequency	1 to 10	2	11 to 20	4	21 to 30	5	31 to 40
group	frequency												
1 to 10	2												
11 to 20	4												
21 to 30	5												
31 to 40	3												
Total marks for question		3											