GCSE Exam Questions

Tally Chart | Statistics

GCSE Exam Questions: Tally Chart

1) **(a)** Solomon recorded the number of text messages received on each of 18 days. Here are his results.

 7   9   9   8   9   9   10 6   9   9   7   10   9   8   8   6   7   6

Complete the frequency table to show Solomon's results

Number of texts	Tally	Frequency
6		
7		
8		
9		
10		

(2)

(b) Write down the mode.

----

(1)

(c) Write down the range.

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(1)

(4 marks)

GCSE Exam Questions: Tally Chart

2)   A class of 20 students complete a test.

The test is marked out of 50.

The scores are recorded below.

32	10	19	41	22	18	28	24	50	48
38	14	23	30	38	27	21	44	25	39

(a)   Complete the tally and frequency columns in the chart below.

Score	Tally	Frequency
1-10		
11-20		
21-30		
31-40		
41-50		

(2)

(b)   How many students scored between 21-30 marks?

- -

(1)

(c)   What fraction of the students scored 41-50 marks?

- -

(1)

(4 marks)

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GCSE Exam Questions: Tally Chart Answers

	Question	Answer	Marks
1) (a)	Solomon recorded the number of text messages received on each of 18 days. Here are his results. 7 9 9 8 9 9 10 6 9 9 7 10 9 8 8 6 7 6 Complete the frequency table to show Solomon's results <table><tr><th>Number of texts</th><th>Tally</th><th>Frequency</th></tr><tr><td>6</td><td></td><td></td></tr><tr><td>7</td><td></td><td></td></tr><tr><td>8</td><td></td><td></td></tr><tr><td>9</td><td></td><td></td></tr><tr><td>10</td><td></td><td></td></tr></table>	<table><tr><th>Number of texts</th><th>Tally</th><th>Frequency</th></tr><tr><td>6</td><td>|||</td><td>3</td></tr><tr><td>7</td><td>|||</td><td>3</td></tr><tr><td>8</td><td>|||</td><td>3</td></tr><tr><td>9</td><td>卌 ||</td><td>7</td></tr><tr><td>10</td><td>||</td><td>2</td></tr></table> Correct Tally Marks Correct Frequency (allow incorrect frequency based on 'their' tally)	**(1)** **(1)**
(b)	Write down the mode	9 texts	**(1)**
(c)	Write down the range	10 - 6 = 4 texts	**(1)**
2) **(a)**	A class of 20 students complete a test. The test is marked out of 50. The scores are recorded below. 32 10 19 41 22 18 28 24 50 48 38 14 23 30 38 27 21 44 25 39 Complete the tally and frequency columns in the chart below. <table><tr><th>Score</th><th>Tally</th><th>Frequency</th></tr><tr><td>1-10</td><td></td><td></td></tr><tr><td>11-20</td><td></td><td></td></tr><tr><td>21-30</td><td></td><td></td></tr><tr><td>31-40</td><td></td><td></td></tr><tr><td>41-50</td><td></td><td></td></tr></table>	<table><tr><th>Score</th><th>Tally</th><th>Frequency</th></tr><tr><td>1-10</td><td>|</td><td>1</td></tr><tr><td>11-20</td><td>|||</td><td>3</td></tr><tr><td>21-30</td><td>卌 |||</td><td>8</td></tr><tr><td>31-40</td><td>||||</td><td>4</td></tr><tr><td>41-50</td><td>||||</td><td>4</td></tr></table> Correct Tally Marks Correct Frequency (allow incorrect frequency based on 'their' tally)	 **(1)** **(1)**

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GCSE Exam Questions: Tally Chart Answers

	Question	Answer	Marks
(b)	How many students scored between 21-30 marks?	8	**(1)**
(c)	What fraction of the students scored 41-50 marks?	$\dfrac{1}{5}$ **oe**	**(1)**

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