Frequency and Cumulative 12:01 Frequency

Name: Class:	
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Example

Arrange these scores into a frequency distribution table:

0, 1, 1, 0, 3, 2, 1, 0, 1, 2, 2, 0, 1, 4, 1, 3, 2, 1, 2, 3, 3, 2, 0, 4, 3

Score	Tally	Frequency	Cumulative frequency
0	Шт	5	5
1	l 1111 II	7	12
2]	6	18
3]	5	23
4	l 11''	2.	25

Total = 25



Tally: Mark off each score in turn.

Frequency: Total of tally. Cumulative frequency: Add the frequency line by line to keep a running total of the scores.

Exercise



- 1 Arrange these scores into a frequency distribution table.
 - 7, 4, 3, 5, 5, 5, 5, 4, 3, 6

	Score	Tally	Frequency
-			

- 25, 23, 22, 21, 22, 23, 22, 24, 25, 21, 23, 23, 24, 24, 22, 21,
- 22, 23, 24, 21, 22, 23

Score	Tally	Frequency

a 5, 4, 3, 4, 5, 5, 4, 3, 5, 6, b 22, 23, 22, 21, 24, 23, 24, 22, c 40, 42, 41, 42, 43, 41, 44, 43, 42, 40, 41, 44, 43, 40, 40, 42, 41, 42, 43, 43, 42, 41, 44, 42, 41, 43, 40, 41, 42, 42

Score	Tally	Frequency
		,

- 2 Referring to the scores above, find:
 - a i how many scores of 3 there were
 - b i how many 23s there were
 - c i how many scores were below 42
- ii how many scores were above 5
- ii how many scores were less than 24
- ii how many scores were 42 or more

f

3 Add a cumulative frequency column to each table.

a	Outcome	Frequency
	1	3
;	2	2
	3	4
	4	3
	5	2
	6	1

d	Outcome	Frequency
	74	8
	75	12
	76	15
	77	17
	78	13
	79	8
	80	7

Outcome Frequency 0 10 5 7 20 30 8 б 40

2	Outcome	Frequency
	20	4
	22	7
	24	8
	26	9
	28	6
	30	3
	32	0
	34	3

Outcome Frequency 10 11 12 12 8 13 5 14

Outcome	Frequency
1	3
2	4
2 3	6
4 5 6	10
5	9
6	7
7	8
8	0
9	4
10	4

12:01 Frequency and Cumulative Frequency

1 a	Score	Tally	Frequency
İ	3		4
	4		5
	5	JH:	8
	6	Н	2
	7	1	I

Ь	Score	Tally	Frequency
	21	##	5
	22	JH 1111	9
	23	1111111	8
	24		6
	25		2

Score	Tally	Frequency
40	HHT .	5
41		· 7
42	J##	9
4 3	J##1	6
44		3

2 a i 4 ii 3

b i 8

ii 22

c i 12 ii 18

3 a	Cumulative frequency
	3
	5
	9
	12
	14
	15

)	Cumulative frequency
	3
	8
	15
	23
	29
	30

Cumulative frequency
4
11
23
31
36

Cumulative frequency
8
20
35
52
65
73
80

е	Cumulative frequency
	4
	11
	19
	28 .
	34
	37
	37
	40

	Cumulative frequency
ſ	3
	7
	13
İ	23
	32
	39
	47
	47
	51
	55