

Cumulative Frequency Table

Skill 5 - 8E

Answer to test question 08E.

- Complete the cumulative frequency table using the data in the tally table.
- Answer the questions below.

Cupcakes Sold	
Hour	Number of Cupcakes
1	
2	
3	
4	
5	

ANSWER

Hour	Frequency	Cumulative Frequency
1	9	9
2	10	19
3	6	25
4	12	37
5	8	45

- How many cupcakes were sold in all by the end of the third hour? **Answer:** 25
- How many more cupcakes were sold in the first three hours than in the last two hours?
Answer: $25 - 20 = 5$

- Complete the cumulative frequency table using the data in the tally table and answer the questions below.

Books Sold	
Hour	Number of Books
1	
2	
3	
4	
5	

Hour	Frequency	Cumulative Frequency

- How many books were sold in all by the end of the fourth hour?
- How many fewer books were sold in the first two hours than in the last three hours?

Cumulative Frequency Table

Skill 5 - 8E

2. Complete the cumulative frequency table using the data in the tally table.

Pages Read	
Day	Number of Pages
1	17
2	15
3	10
4	23
5	32

Day	Frequency	Cumulative Frequency

1. How many pages were read during day 5?
2. How many pages were read during the first three days?
3. On which days were fewer than 17 pages read?
4. How many total pages were read in the 5 days?

3. Complete the cumulative frequency table using the data in the tally table and answer the questions below.

Laps Ran	
Day	Number of Laps
1	16
2	14
3	23
4	12
5	19

Day	Frequency	Cumulative Frequency

1. How many laps were ran in all by the end of the fourth day?
2. How many more laps were ran in the first 3 days than in the last 2 days?
3. How many fewer laps were ran in the first 2 days than in the last 3 days?
4. On which days were more than 16 laps ran?

Answer Key Skill 5 - 8E

1. Complete the cumulative frequency table using the data in the tally table and answer the questions below.

Books Sold	
Hour	Number of Books
1	
2	
3	
4	
5	

Hour	Frequency	Cumulative Frequency
1	7	7
2	4	11
3	3	14
4	8	22
5	6	28

1. How many books were sold in all by the end of the fourth hour? 22
2. How many fewer books were sold in the first two hours than in the last three hours?
 $17 - 11 = 6$

2. Complete the cumulative frequency table using the data in the tally table.

Pages Read	
Day	Number of Pages
1	17
2	15
3	10
4	23
5	32

Day	Frequency	Cumulative Frequency
1	17	17
2	15	32
3	10	42
4	23	65
5	32	97

1. How many pages were read during day 5? 32
2. How many pages were read during the first three days? 42
3. On which days were fewer than 17 pages read? days 2 and 3
4. How many total pages were read in the 5 days? 97

3. Complete the cumulative frequency table using the data in the tally table and answer the questions below.

Laps Ran	
Day	Number of Laps
1	16
2	14
3	23
4	12
5	19

Day	Frequency	Cumulative Frequency
1	16	16
2	14	30
3	23	53
4	12	65
5	19	84

1. How many laps were ran in all by the end of the fourth day? 65
2. How many more laps were ran in the first 3 days than in the last 2 days? $53 - 31 = 22$
3. How many fewer laps were ran in the first 2 days than in the last 3 days? $54 - 30 = 24$
4. On which days were more than 16 laps ran? days 3 and 5