

Relative Frequency

1) Daphne monitored her screen time before bed and its effect on her sleep for 30 days and recorded the data in a table. Complete the table, and answer the questions.

Screen Time Before Bed (Hours)	Number of Days / Frequency	Relative
Less than 1	12	
1 to 2	9	
2 to 3	3	
More than 3	6	

i) Determine the relative frequency of nights when _____ en time.

PREVIEW

2) Melinda has a playlist of songs is shown below.

Genre	Frequency
Rap	9
Heavy Metal	11
Dance	10

Daphne continued this pattern for other 60 days, estimate how many nights she would sleep after using screens for more than 3 hours.

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3) A travel assistance center displays the data recorded below.

Region	Number of Visitors / Frequency	Relative Frequency
United States	10	
Europe	15	
Asia	15	
South America	20	

ii) If the playlist increases to 50 songs, how many of them would be in the current distribution.

The table below displays the data recorded below.

i) Determine the relative frequency of visitors coming from Asia based on the current visitor distribution.

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_____ to 2,000, approximately _____ of them would be from Asia based on the current visitor distribution.