

NAME: _____

P.I. A.S.9: Analyze and interpret a frequency distribution table

1. How many tickets were sold on Friday, if the total sales for the five days is \$234 and each ticket costs \$4.50?

Day	Frequency
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	?

[A] 37 [B] 15 [C] 67 [D] 52

2. This table gives data on the number of tickets sold during three days at a movie theater.

	Friday	Saturday	Sunday
Adults	102	156	123
Seniors	34	98	102
Children	21	185	145

- a. Find the total number of tickets sold on Saturday.
b. Find the total number of tickets sold to Seniors on all three days.

3. Using the frequency table below, determine how many students received a score of 70 or better on an English exam.

Score	Frequency
50 – 59	3
60 – 69	8
70 – 79	10
80 – 89	9
90 – 100	3

[A] 19 [B] 22 [C] 12 [D] 21

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4. The students' scores on a math test are shown on the following frequency table:

Score	16	17	18	19	20	21	22	23	24	25
Number of Students	4	1	2	3	3	1	3	4	2	4

How many students scored below 21?

[A] 1

[B] 12

[C] 7

[D] 13

5. The cashier gives you thirty-five cents change. Create a table showing all the possible combinations of nickels, dimes and quarters that you could receive.

6. Andrea rode her bike each of the last five days: On day one she rode 2 miles less than day two. On day two she rode 2 miles less than day three. On day three she rode 6 miles. On day four she rode 2 miles more than day three. On day five she rode 2 miles more than day four. How many miles did she ride during the five days? Make a table to assist you with your answer.

[1] B

[2] a. 439 b. 234 _____

[3] B

[4] D

Answers may vary. Sample:

Cents	25	10	5
	1	1	0
	1	0	2
	0	3	1
	0	2	3
	0	1	5
	0	0	7

[5] _____

30 miles. Tables may vary. Sample:

Day	1	2	3	4	5	Total
	4 - 2	6 - 2	6	6 + 2	8 + 2	30

[6] Miles 2 4 6 8 10 40