

Two-way Frequency Tables

- 1) The Modern Muse art gallery monitored visitor numbers over the course of a month, categorizing them by age (adult, child, or senior) and the day of the week (weekday or weekend). The table below summarizes the results. Use the data to answer the following questions

Weekdays	60	70	50
Weekends	80	100	40

a) What is the frequency of children visiting on weekends?

b) How many more children visited on weekends than on weekdays?

c) What is the total number of visitors who came on weekends?

- 2) A total of 100 children were surveyed about their movie preferences. Their choices are shown in the table below. Use the data to answer the questions.

	Action	Animated	Comedy
School Days	5	10	15
Holidays	25	30	45

b) Which movie genre was preferred on school days?

c) Which movie genre was preferred on holidays?

- 3) At a birthday party, kids were asked to choose their favorite gummy bear flavor and what they would like on their ice cream. Use the information provided to answer the questions.

	Sprinkles	Vanilla	Chocolate
Vanilla Ice Cream	22	10	8
Chocolate Ice Cream	15	18	7

a) Which topping is most popular on chocolate ice cream?

b) How many more kids prefer sprinkles on vanilla ice cream than chocolate ice cream?

c) What is the combined frequency of kids who like gummy bears on both ice cream flavors?

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