

All 8th grade students at a school answered the two survey questions shown.

Are you male or female?

Do you prefer to watch basketball or football?

The same students responded to both questions. Complete the two-way frequency table to show the correct totals for the given data.

You must complete all four cells of the table for a full-credit response.

		Prefers to watch		
		Basketball	Football	Total
	Male	80		105
	Female	45	20	
	Total			

Following a survey of 250 people about smoking and lung disease

These are the results. Fill in the survey

		Lung disease	No lung disease	Total
	Smoking		60	150
	No smoking		40	
	Total	150		

The following survey was taken on who owns an Xbox and a Playstation. Complete the table.

	playstation		xbox	
	yes	no	yes	no
totals	324	176	180	320

Of the 180 students that play Xbox, 36 also own a Playstation.

		Owns		
		Playstation Yes	Playstation No	Total
	xbox yes			
	xbox No			
	Total			

The following survey was taken on who passing math and science class. Complete the table.

	Science		Math	
	yes	no	yes	no
totals	55	45	59	41

Of the 41 students that are failing math, 7 are also failing science.

				Total
		Passing science	Failing science	
	Passing math			
	Failing math			
	Total			

Fill out the table on adults and children and their preferred choice of art.

				Total
		Child	Adult	
	Drawing	22	8	
	Painting			25
	Graphics	9	36	
	Total		51	