



- 4 A statistics class surveyed some students during one lunch period to obtain opinions about television programming preferences. The results of the survey are summarized in the table below.

**Programming Preferences**

	Comedy	Drama
Male	70	35
Female	48	42

Based on the sample, predict how many of the school's 351 males would prefer comedy. Justify your answer.

- 5 A survey of 100 students was taken. It was found that 60 students watched sports, and 34 of these students did not like pop music. Of the students who did *not* watch sports, 70% liked pop music. Complete the two-way frequency table.

	Watch Sports	Don't Watch Sports	Total
Like Pop			
Don't Like Pop			
Total			

### S.ID.B.5: Frequency Tables 2 Answer Section

1 ANS: 4

$$\frac{30}{30 + 12 + 8} = 0.6$$

REF: 061615ai

2 ANS: 2

$$\frac{14}{16 + 20 + 14} = 28\%$$

REF: 011705ai

3 ANS:

$$\frac{33 + 12}{180} = 25\%$$

REF: 011526ai

4 ANS:

$$\frac{m}{351} = \frac{70}{70 + 35}$$

$$105m = 24570$$

$$m = 234$$

REF: 011630ai

5 ANS:

	Watch Sports	Don't Watch Sports	Total
Like Pop	26	28	54
Don't Like Pop	34	12	46
Total	60	40	100

REF: 061729ai