

Two-Way Tables

8th Grade

Two categories at once, and the three different percentages you can read from one.

A two-way table sorts data by two variables. The totals row and column matter as much as the cells.

1 READ THE HEADINGS

One variable across, one down.

2 FIND THE TOTALS

Row totals, column totals, and the grand total.

3 DECIDE THE DENOMINATOR

Out of the whole table, out of one row, or out of one column?

4 CALCULATE

Cell divided by whichever total the question asked about.

THREE DIFFERENT ANSWERS

12 of 100 people = 12% of everyone

12 of 40 girls = 30% of the girls

12 of 25 who chose it = 48% of that group

Change the denominator and the same cell gives a completely different percentage. Read the question twice.