

Name _____

Date _____

Patterns of Association (Using Data Tables) - Step-by-Step Lesson

The table shows the data collected from people from two areas of the city.

Name of the city	Paying income tax	Not Paying income tax
Area A	30	15
Area B	15	40

A) What percent of residents of Area A pays income tax?

B) Find the percent of Area B citizens that do not pay taxes.

**Explanation:**

The two areas were surveyed as to whether people were paying income tax.

A) The total number of people surveyed was 45 (30 + 15).

The total number of people paying taxes was 30.

$$\text{Area a} = \frac{30}{45} \times 100$$

$$\text{Area a} = 66.67 \%$$

B) 55 (15 + 40) people were surveyed in Area B.

40 people do not pay taxes.

$$\text{Area b} = \frac{40}{55} \times 100$$

$$= 72.72\%$$

