

Name _____

Date _____

Two Way Tables - Step-by-Step Lesson

An insurance company selected drivers in a particular city to find a relationship between the age of the driver and the number of car accidents. Look at the following table.



Age of driver (in years)	Accidents in year			
	1	2	3	Total
17 - 25	15	23	40	78
26 - 40	50	44	56	150
Above 40	62	22	11	95
Total	127	89	107	323

What is the percentage of total accidents attributed to the 17 to 25 year old age group of drivers?

- (A) 15.5% (B) 24% (C) 15%
- (D) 78% (E) 40%

Explanation:

Step 1) Find the total number of accidents. $78 + 150 + 95 = 323$

Step 2) Find the % contributed by the 17 to 25 age group:

Number of accidents (by group) / total accidents x 100 = value

$$78 / 323 \times 100 = 24.15\%$$

The correct answer is (B) 24%.

