

## Answer on Question #84865 – Math – Algebra

### Question

There were 75 runners to start a race. In the first half of the race,  $2/5$  of them dropped out. In the second half of the race,  $1/3$  of the remaining runners dropped out. How many runners finished the race?

### Solution

Step 1:

The sentence ‘In the first half of the race,  $2/5$  of them dropped out’ means that  $75 \times 2/5 = 30$  people dropping out during the first half. Thus,  $75 - 30 = 45$  people were still running.

Step 2:

The sentence ‘The second half of the race,  $1/3$  of the remaining runners dropped out’ means that  $45 \times 1/3 = 15$  people dropping out during the second half. Thus,  $45 - 15 = 30$  people finished the race.

**Answer:** 30 runners finished the race.