

**Problem #6636** When Catman's entourage joined the motorcade, the total number of vehicles increased 130 percent. If the final count was 345, how many vehicles were present in the beginning?

**Solution** Denote by  $x$  the number of vehicles that were present in the beginning. Thus,  $(1.3 + 1) \cdot x = 345$ , so  $x = 345/2.3 = 150$ .

**Answer** 150.