Conditions

a pharmacist found out at the end of the day she had 5/3 more antidepressions than she had of tranqulizers. She had 32 perscriptions all together. Find out how many tranguilizers there is?

this is an applying equation problem.

Solution

Let the number of tranqulizers in the end of the day is X. Then the number of antidepressions is 5/3*x. And their sum is 32 persciptions:

$$x + \frac{5}{3}x = 32$$

$$\frac{3+5}{3}x = 32$$

$$x = 32 \cdot \frac{3}{8} = 12$$

The number of tranqulizers was 12, the number of antidepressions was 32-12=20

Answer: 12 and 20