

$\frac{2}{3}$ of a number is less than the original number by 20. Find the number.

ANSWER:

Let the original number be x .

Then, we have:

$$\Rightarrow \frac{2}{3}x = x - 20$$

$$\Rightarrow \frac{2x}{3} - x = -20$$

$$\Rightarrow \frac{2x - 3x}{3} = -20$$

$$\Rightarrow -x = -20 \times 3$$

$$\Rightarrow x = 60$$

\therefore The original number is 60.