Question

Write an equivalent equation in symbols.

One- third a number (x) added to one- half the number equals eight less than the number.

Solution

Given number is x,

$$\frac{1}{3}x + \frac{1}{2}x = x - 8$$

$$\frac{x}{3} + \frac{x}{2} = x - 8$$

Answer:

$$\frac{x}{3} + \frac{x}{2} = x - 8$$