

Solving Equations

Clearing Fractions with the LCD

Ex 1.

Solve: $\frac{1}{2}x + \frac{1}{3} = 4$

Ex 2.

Solve: $\frac{2}{3}(x - 3) = \frac{1}{2}x - \frac{2}{5}$

Translating Sentences into Equations

$\frac{2}{3}$ of a number translates to $\frac{2}{3}n$

Ex 3.

Translate to an equation, then solve: $\frac{1}{2}$ of the difference of n and 4 is equal to $\frac{2}{5}$ of n

Ex 4.

Suppose your grade in the class is determined by the average (mean) of five tests. If your first four test scores are 80, 92, 88, and 94, what would you have to get on the last test to get a 90% or more in the class?