Solving Simple Equations with Fractions Step-by-Step Lesson

Solve for h.

$h - \dfrac{4}{6} = 3\dfrac{2}{3}$
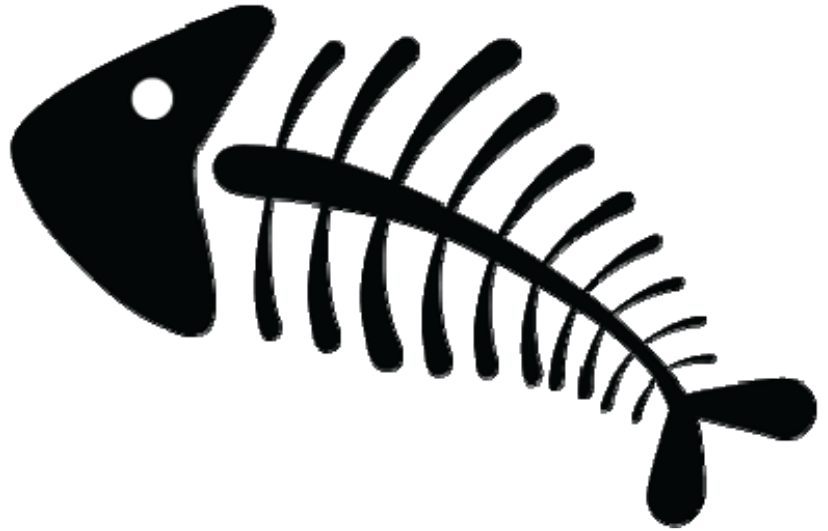
Explanation:

Our goal with this problem is to get the variable (h) by itself.

The easiest way to do this is to see what operations are being performed on the side of equal sign that h is on and just perform the exact opposite operation to both sides of the equal symbol.

$h \boxed{- \dfrac{4}{6}} = 3\dfrac{2}{3}$ (we need to perform the opposite operation of $-\dfrac{4}{6}$ to both sides.

$h - \dfrac{4}{6} = 3\dfrac{2}{3}$

$ + \dfrac{4}{6} \quad + \dfrac{4}{6}$

$h = 3\dfrac{2}{3} + \dfrac{4}{6} \qquad = 3\dfrac{2}{3} + \dfrac{2}{3}$

$= 3\dfrac{2}{3} + \dfrac{2}{3} \qquad = 3\dfrac{4}{3} \text{ or } 4\dfrac{1}{3}$