

Equations with TWO variables

Part 1 - the equations and what they mean

Connect

Isaac is three years older than his brother Matthew.
Isaac is 11 years old. How old is Matthew?

I do

Isaac is eight years older than his brother Matthew. Write an equation that models Matthew's (m) and Isaac's (i) ages. Write at least three possible solutions to the equation.

I do

Johnny earns \$7.75 per hour that he works as a lifeguard over the summer. Write an equation that models the amount of money (m) Johnny makes based on how many hours (h) he works. Find at least three possible solutions to the equation.

We do

4th graders at a certain school are required to read 10 minutes more per night than 3rd graders. Write an equation that models how many minutes the third graders (t) and fourth graders (f) read. Find at least three solutions to the equation.

We do

A runner trains by running $\frac{1}{4}$ miles laps around the Brookrood track. Write an equation that models the number of miles (m) the runner does based on the number of laps around the track (t) that she runs. Find at least three possible solutions to the equation.

**You do together
on whiteboard**

At Publix, jelly beans cost \$1.50 per bag. Write an equation that models the cost (c) of buying " j " bags of jelly beans. Write at least three possible solutions to the equation.

**You do alone on
index card**

Maria is six years older than her twin brothers. Write an equation that models Maria (m) and the twins' (t) ages. Write at least three possible solutions to the equation