

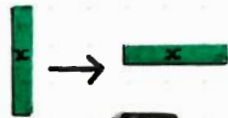
# MathsBot.com

Sketchnote by @mrshawthorne7

## Algebra Tiles

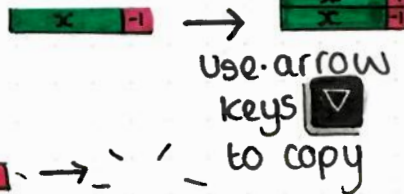


Press **F** to flip a tile



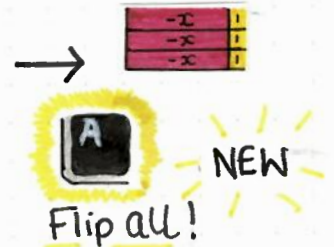
Press **R** to rotate tiles

$3(x-1)$   
build  $x-1$



Use arrow keys **↓** to copy

$-3(x-1)$



Move zero pairs on top of one another to make them disappear

## Cuisenaire Rods

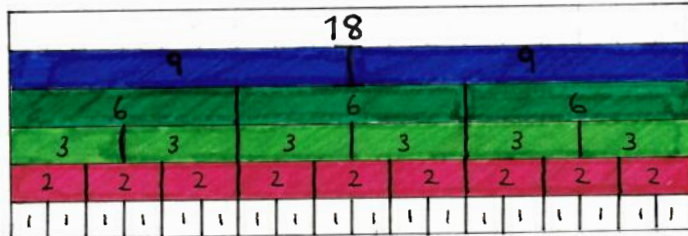
Letters:

Values:

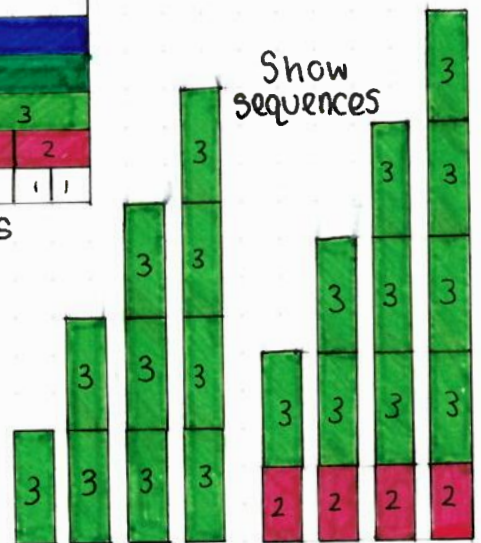
Add Rod

18

Add a rod of any length



show the factors



## Prime Factor Tiles



Decompose



Type any number and click decompose to show the product of prime factors.

## Bar Modelling

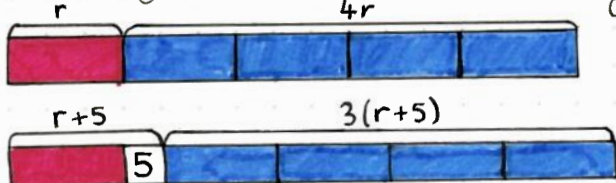
Ratio

The ratio of red to blue beads in a bag is 1:4

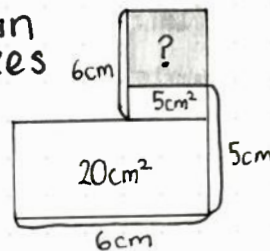
5 beads are added to the red bag

The ratio of red to blue is now 1:3

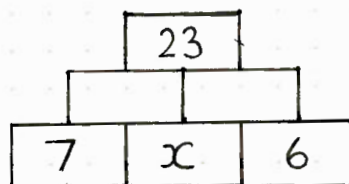
How many of each colour bead were in the bag originally?



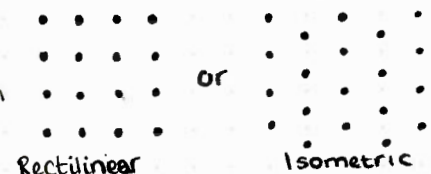
Make your own Area Mazes



or number pyramids



## Geoboard



What are the angles in the green triangle

Draw Shapes or circular

