

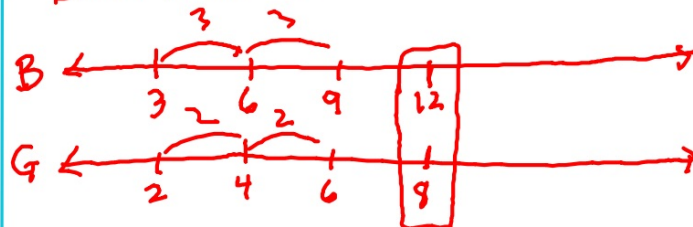
Solving ratio problems strategy #1 - Proportions

I do The ratio of boys to girls in a class is 3:2. If there are 12 boys, how many girls are there?

Proportion

$$\begin{array}{r} \text{B} \quad 3 \quad \xrightarrow{\times 4} \quad 12 \\ \hline \text{G} \quad 2 \quad \xrightarrow{\times 4} \quad 8 \end{array}$$

Double Number Line



Tape Diagram



Table + Coordinate Plane

I do

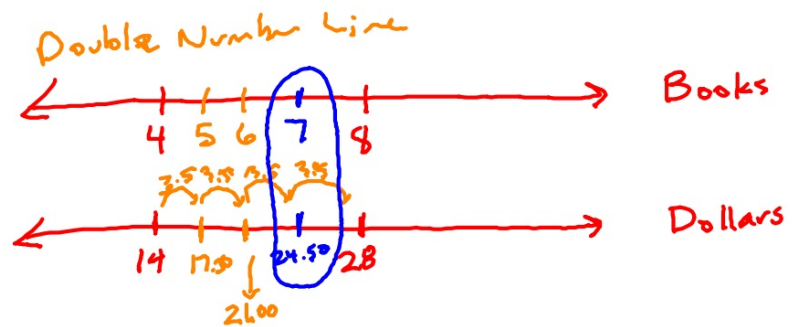
The ratio of boys to girls in a class is 3:2. If there are 12 boys, how many girls are there?

I do At discount books, 4 paperback books cost \$14. How much would seven books cost?

Proportion

$$\frac{4}{14} = \frac{7}{24.50}$$

$\times 1.75$



Tape Diagram

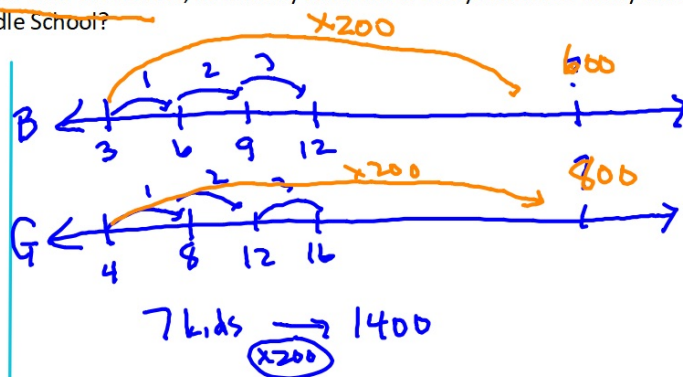
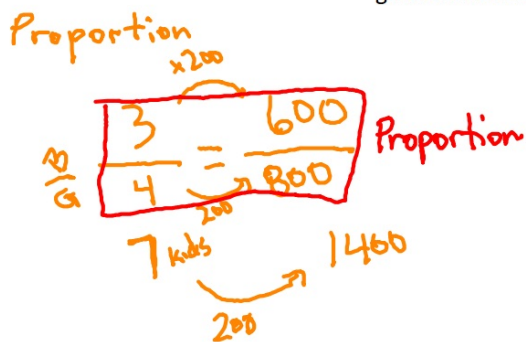


I do

At discount books, 4 paperback books cost \$14. How much would seven books cost?

We do

The total number of students enrolled at Berkmar Middle School is 1,400 students. If the ratio of boys to girls is also 3 to 4 for the school, how many students are boys and how many students are girls at Berkmar Middle School?



We do

The total number of students enrolled at Berkmar Middle School is 1,400 students. If the ratio of boys to girls is also 3 to 4 for the school, how many students are boys and how many students are girls at Berkmar Middle School?

You do together
on ~~whiteboard~~

graph paper

The ratio of cats to dogs at the pet store is 6:5. If there are 55 pets at the store, how many are cats?

You do alone on
~~index card~~

graph paper

I found a sale on pencils: 20 for \$2. I need to buy 110 pencils. How much will it cost?