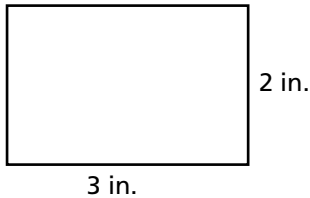




Dear Family,

In our math class, we are exploring the ideas of ratio and proportion.

The ratio of one number to another is a simple way to express the relative size of two quantities or measurements. For example, the ratio of the lengths of the sides of this rectangle is 3 to 2.



A proportion is an equation that shows two equivalent ratios. It can be written $14 : 6 = 35 : 15$ or $14 : 6 :: 35 : 15$.

Here is a proportion problem:

Grandfather bought 14 apples for \$6. If I buy the same kind of apples, how much will 35 apples cost?

The problem makes this proportion:

$$14 : 6 = 35 : c$$

To solve it, we can put the ratios in a Factor Puzzle like your child has been solving all year.

$$c \text{ is } 3 \times 5 = 15$$

The Factor Puzzle is from the rows of the ratio table that are $\times 2$ and $\times 5$ of the basic ratio $7 : 3$. Factor

Puzzles enable your child to understand and solve challenging proportion problems.

Discuss with your child any proportions you use in your life, such as doubling a recipe.

If you have any questions, please call or write to me.

Sincerely,
Your child's teacher

Ratio Table

Apples Dollars

Apples	Dollars
7	3
0	0
7	3
14	6
21	18
28	24
35	30
42	36

Apples	Dollars
7	3
14	6
35	○