# Family Math Newsletter
## Junior Edition

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Game: How Much More to a Whole?

Remove the face cards from a deck of cards. At the same time, each player turns over one card. Players must arrange them to create a proper fraction. (Smaller number on top as the numerator). The first player to call out the fraction that would complete the whole earns one point. (*e.g., to make ¾ a whole, call out one-fourth/one quarter*) If there is no possible answer because the fractions represent a whole, the 1st player to say "NONE' earns one point.

Math Talk: Comparing Fractions
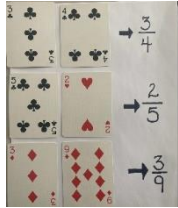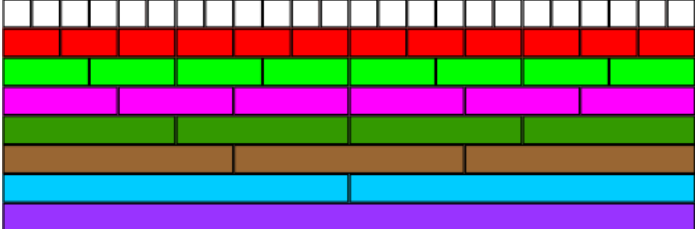


What do you notice? What do you wonder?
How many ways can you write 1/2?
How many ways can you write 1/3?
How many ways can you write 3/4?

Taking Learning Outdoors: Walking Distance

Go outside with your child and pick an object such as a tree to walk to. As you walk together, each of you will count your steps. How many steps did it take you? How many did it take your child? Ask your child why the number of steps is different but the distance you walked is the same. Standard units of measurement provide a common language and ensure accuracy. Ask your child to estimate the distance you walked. Then, using a standard (ruler or measuring tape, etc.) or non-standard measuring tool (spoon, branch, etc.), work together to measure the distance. Ask your child to estimate how many times they would have to do that walk in order for them to walk 1 km. What about 10 km? How do they know?

Good Watch/Listen or Read: Fraction Division

One great way to learn about effective Math practice is by listening to Podcasts. A great podcast to listen to is called "Math is Figure-Out-Able!" with Pam Harris.
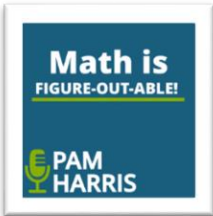
Here is an episode on "[For Parents: Why All the New Math]?"

Problem Solving Tasks and Experiences

A veterinarian is trying to measure the weight of three pets: a dog, a cat, and a rabbit. The only problem is that she can't get them to sit still long enough to get a proper measurement.

In the chaos, she was able to record the following measurements.

What is the mass of all three pets combined? Could you estimate the mass of any other animals? A raccoon? A bird?

Source: [Mysterious Masses]

Riddles/Puzzles: Flying Cars

Use the clues to guess the number of cars in the cup

Clue #1: It is an even number that is less than 61
Clue #2: It is a [multiple] of 3
Clue #3: It is not a multiple of 5
Clue #4: It does not include the digit that matches the number of cars flying above the cup
Clue #5: It does not include the digit represented by the die
Source: [Esti-Mystery Flying Cars]