

# FAMILY MATH NEWSLETTER: JUNIOR EDITION

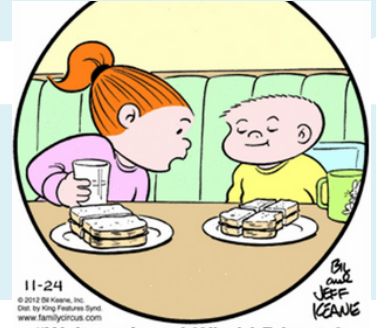
## ISSUE 10: NOVEMBER 2024

### Math Riddle

Only a fraction of people will find this riddle funny....

Why don't people choose fractions over decimals?

- Because they are pointless...



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"Wait a minute! Why'd PJ get 4 sandwiches and I only got 2?"

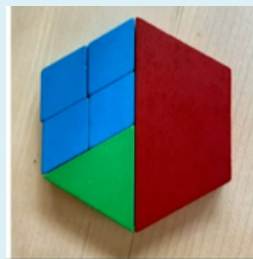
### Game: Fraction Addition



**Materials:** deck of cards, face cards removed, Ace = 1

**How to Play:** Deal out the cards evenly to all players, as well as to an extra pile for the middle. Keep the piles face down. Turn over the top card of the middle pile, this is the denominator for all players. Each player turns over two of their cards, these are their numerators. For example, if the middle card is 9 and a player turns over a 3 and a 5, their fractions are  $\frac{3}{9}$  and  $\frac{5}{9}$ . Each player adds their fractions together (e.g.,  $\frac{3}{9} + \frac{5}{9} = \frac{8}{9}$ ) and the player with the larger sum gets a point. Any player with a fraction larger than a whole gets a bonus point. Players return their 2 cards to the bottom of their piles and repeat turning over a new middle card. Once all cards in the middle have been used, the game is over and the player with the most points wins.

### Math Talk:

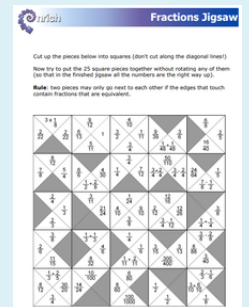


What fraction of the whole is red?  
What fraction of the whole is green?  
What fraction of the whole is blue?

Source: [Math for Love](#)

### Problem Solving:

Using the link to the puzzle below, download and print out the page. Cut out all the square pieces (not the diagonal lines). Now try to put the square pieces together without rotating any of them (so that in the finished jigsaw all the numbers are the right way up). Two pieces may only go next to each other if the edges that touch contain fractions that are equivalent. Can you solve the puzzle?



Click here for Fraction Jigsaw Puzzle ([nrichmaths.org](http://nrichmaths.org))

### STEAM Activity: Fraction Pizza

#### Ingredients:

- 1 English muffin split
- Pizza sauce
- 1 Cheese
- 4 Toppings of choice

Source: [Fantastic Fraction Pizzas](#)

#### Directions:

1. Preheat oven to 350 degrees.
2. Take one side of the English muffin. Spread pizza sauce and cheese on  $\frac{1}{1}$  of it.
3. Put your first topping on  $\frac{1}{2}$  of pizza; 2nd topping on  $\frac{1}{4}$  of pizza; 3rd topping on  $\frac{1}{10}$ th, and 4th topping on  $\frac{1}{6}$ th of pizza.
4. Bake in oven for 12-15 minutes.



### Good Watch: Halves to Tenth Fractions

Watch these episodes of the *Homework Zone* to explore the power of the denominator and the numerator.

Links to Videos: [Numerator Video](#) [Denominator Video](#)