Grade Five Numeracy Choice Board
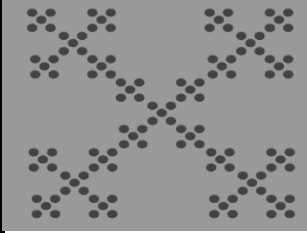
Would You Rather...

Sell a batch of 30 cookies for 50 cents each **OR** Sell a batch of 30 cookies altogether for $15 with a cost to make of $8?

Explain your choice.
Find more here: https://www.wouldyourathermath.com/category/3to5/

Dot Talk

How many dots do you see? How do you see them? Can you find more than one way to find the total number of dots.?

Use multiplication to solve for the number of dots

Design a Game

Design a math game to practice multiplication and division. Think about other math games you have played in school or at home. Search online for ideas. What original math game could you create?

Play your game with someone at home. Share a picture and description of your game with your teacher.
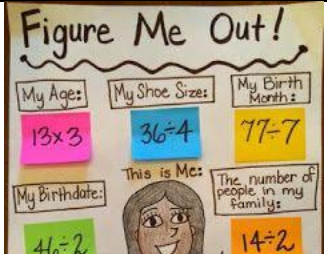
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1 Teaspoon= 4 grams of Sugar

1 teaspoon = 1 sugar cube = 1 sugar packet

Divide the total number of grams listed by 4 to calculate the number of teaspoons of sugar.

For example: Sugar 32g = 32 / 4 = 8 Teaspoon

Sugar Count

Find how many grams of sugar are in the sugary snacks and drinks you like. This information can be found on products at home or online.
*Once you have figured out how many grams of sugar are in your favorite snacks and drinks, use the image above to show how much sugar is in your treats. Dump a teaspoon of sugar into a baggie for every 4 grams of sugar in your snacks.

Figure Me Out!

My Age: 13×3
My Shoe Size: 36÷4
My Birth Month: 77÷7
My Birthdate: 46÷2
This is Me:
The number of people in my family: 14÷2
The number of letters in my name: 3×4
The number of pets I own: 18÷9
The number of sports games I've been to: 2×2

Math about me!

Create your own Figure me out using multiplication and division and have someone figure you out. Ask someone at home to design one for you to figure out.
Share a picture with your teacher if you can.

Candy Data

I got 8 Skittles from the vending machine for 25¢.

I got 62 Skittles from a 61g bag for $1.16.

Which is the better buy?

Explain your choice.

Create your own Would you Rather to share with someone at home or your teacher.
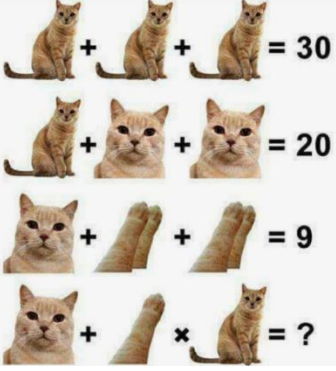

Fraction War

Use a deck of cards and a pencil to act as the fraction line.
Goal: to develop quick comparison of fraction values
Rules: Shuffle and deal the cards. Each player puts their cards faced down in a pile.
Both players turn over TWO cards at the same time (smaller card goes on top as the numerator and the larger card is on the bottom as the denominator)
The player whose cards has the larger fraction wins all four cards.
If players turn over equivalent fractions (fractions of the same value) then there is a fraction war. Each player creates a new fraction with 2 new cards and whoever has the higher fraction wins all the cards. The game continues until one player has all the cards or for a given amount of time.

Cat Conundrum

What is the value of each cat in the equations below? Work together to solve it.

🐱 + 🐱 + 🐱 = 30
🐱 + 🐱 + 🐱 = 20
🐾 + 🐾 + 🐾 = 9
🐱 + 🐾 × 🐱 = ?

Hint: There is only one paw in the bottom equation.

What do you see?

Explore three different ways to find the total number of black and white circles. How many black circles? How many white circles?
How many in each row, each column?
Draw your own dot image to share with someone else. Make sure they explain how they see your picture.

Would You Rather…

Have your child do the math and explain/justify their choice.

Do you or someone at home think differently? Justify your different thinking.

Find more Would You Rather questions here:
https://www.wouldyourathermath.com/category/3to5/

Dot Talk

This activity encourages seeing numbers in many ways, called flexibility with numbers.

Explaining how you see the dots differently than your child will promote flexibility.

Find more images here:
http://ntimages.weebly.com/points--dots.html

Design a Game

Students might use paper and design a gameboard or use playing cards or dice to create their math game.

Encourage an original spin on the math game they create and have fun playing! 😊

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1 Teaspoon= 4 grams of Sugar

Divide the total number of grams listed by 4 to calculate the number of teaspoons of sugar.

For example: Sugar 32g = 32 / 4 = 8 Teaspoon

Sugar Count   Example: A KitKat bar has 22g of sugar. 22 is closest to 20 so 20 ÷ 4= 5. Dump 5 tsp of sugar into a bag to show the sugar content of the bar. Yuck!

Try Gatorade or Soda for a real shock and you may think twice about drinking it again. Consider cereal and lunch snacks too.

Math About Me!

Your child would love to figure you out if you are able to create your own Math about me.

Which is the Better Buy?

Support your child in creating their own Would you Rather challenge.

Visit: https://www.wouldyourathermath.com/category/3to5/
for more examples.

Fraction War

If two fractions have a common denominator, the fraction with the larger numerator is the larger fraction. Ex: 3/5 > 2/5

If two fractions have a common numerator, the fraction with the smaller denominator is larger. Ex: 1/4 > 1/8

If you are unsure about which fraction is larger, use fraction strips to compare. Find a copy here or use the one below: https://www.math-drills.com/fractions/fraction_strips_blm_labeled.php

You can also have your child think about whether the fractions are closer to 0, ½ or 1 whole.

Cat Conundrum

Find more mystery image puzzles here:

https://mashupmath.com/freemathpuzzles

What Do You See?

This activity encourages seeing numbers in many ways, called flexibility with numbers. Encourage your child to find more than one way to see the numbers and find the total. Explaining how you see the image differently than your child will promote flexibility.

Find more images here:
http://ntimages.weebly.com/photos.html