

February
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Math Matters

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What's That Word?

An **ARRAY** is an arrangement of objects, pictures, or numbers in columns and rows. Arrays are useful representations of multiplication.

REPEATED ADDITION is adding the same number again and again in order to find a product when multiplying.

EQUIVALENT FRACTIONS are fractions having the same value. For example $\frac{3}{5}$ and $\frac{6}{10}$ are equivalent.

Happy 100th Day!

The 100th day of school is quickly approaching! On February 7th (assuming there are no snow days between now and then), we will celebrate being 100 days smarter!

We are having our 4th Annual 100th Day Contest at Black Rock School and our 1st ever 100th Day Contest at Thomaston Center School!

100th Day Contest Details:

Your child will bring home a contest page of activities involving 100. Complete the activities and return the completed contest page to school by the 100th Day of school (Feb. 7th if there's no snow days)! You can even work together and take on the challenge as a family!

One grand prize winner will be selected per grade level! Also, the class with the most participants in each grade level will receive a class prize!

Thank you to the PTA for your support and generosity in funding this contest!



Click It!

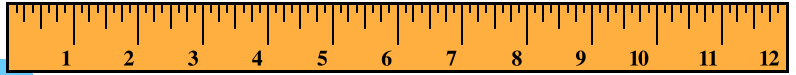
Check out these websites:

- ◆ [Parent Support from Eureka!](#)
A variety of resources to help keep parents informed and involved in supporting students.
- ◆ [Math Playground](#)
A variety of math games and activities to explore including several which provide practice working with fractions and decimals.
- ◆ [Splash Math](#)
Students in grades 1-3 have a username and password from their teacher.

Activities for the 100th Day at Home

Have fun celebrating the 100th day of school at home by participating with your child in the contest and with other fun 100 activities:

- Ask your child to list 100 things he or she has learned this year!
- Make a 100th day snack mix using exactly 100 pieces of cereal, pretzels, raisins, etc.
- Look a picture from the first day of school and see how much your child has grown in 100 days!
- Have them draw a picture of what they might look like when they are 100 years old.
- Look online at a picture of what cars looked like 100 years ago, look at cars today, and think about what cars might look like in 100 years.
- Ask your child what they would buy with \$100. Give them a catalogue or look it up online and have them calculate the exact cost. Don't forget the tax!
- Research to come up with a list of 100 inventions from the past 100 years.



Recommended Reading

Divison (grades 4-6):

Cheetah Math

By Ann Whitehead Nagda

Fractions (grades 3-5):

Working with Fractions

By David Adler

Problem Solving (grades K-3):

Tyrannosaurus Math

By Michelle Markel

Number Sense (grades K-2):

The Three Little Pigs Count to 100

By Grace Maccarone

Math Riddles, Tips, and Tricks!

A rooster laid 13 eggs and the farmer took eight of them. Then another rooster laid 12 eggs and four of them were rotten. How many of the eggs were left?

Answer: None. Roosters don't lay eggs!

What do you call an empty parrot cage?

Answer: Polygon

What did the zero say to the eight?

Answer: Nice Belt!

Figure It Out Together!

Play It:

All Lined Up (3-4 but can be modified for K-6)

This strategy game helps students with $\times 3$ facts and number relationships. Each player has a strip of paper with 6 empty boxes. Players take turns rolling the dice and multiplying by 3. They then place their product in one of the six empty boxes; however, the numbers must be placed in correct sequence (i.e., if a player has 3, 9, and 15, in her first three boxes and spins a 12 on her turn, she cannot play the 12 and loses her turn). The first player to fill all 6 boxes wins.

(4-6) Modify this game by changing the factor you use! Make it more challenging by using a multi-digit factor or even a fraction or decimal factor!

(1-2) Make it less challenging by using numbers that your child uses for skip counting (2, 5, or 10) or by adding the two amounts on the dice and recording their sum.

(K-1) Cut the game board strip into 6 pieces and have your child put the pieces in order as they roll the dice and record the amount.

Solve It:

(K-6)

Enter in the 100th Day Contest and solve the problems with your child!

Go to the school Website to download a new contest page if your child needs an extra or new copy!



There's an App for That

For Family Problem Solving Check out:
Bedtime Math—Free

Mrs. Dalka is the K-6 Math Coach, Ms. Heiland is the Math Intervention teacher at Black Rock School, and Mrs. Nolte is the Math Intervention teacher at Thomaston Center School.

Have a great math riddle, tip, trick, website or book to share? Have questions, comments,

or concerns? Contact us by email at:

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