

Delran Intermediate School

Summer Math Assignment

There are two goals of this Summer Math Assignment:

- to encourage students to maintain and enhance their computational fluency, and
- to have students practice problem solving strategies while solving multi-step word problems.

Thank you in advance for your support and encouragement as your child develops his/her mathematical thinking skills. With your help, your child will surely return to school in September ready to succeed.

Computational Fluency

Students are required to practice their basic math facts for 20 minutes per week. You can choose to practice your facts in one 20-minute session, two 10-minute sessions, or four 5-minute sessions each week. Use the attached sheet to log your computational fluency practice.

- Incoming 3rd graders should have mastered all addition and subtraction facts within 20. Students should practice any addition and subtraction facts that are not already mastered, and then begin practicing multiplication facts.
- Incoming 4th graders should have mastered all multiplication facts within 100. Students should practice any addition, subtraction, or multiplication facts that are not already mastered, and then begin practicing division facts within 100 (up to 10×10 or $100 \div 10$).
- Incoming 5th graders should practice any addition, subtraction, multiplication, and division facts that have not yet been mastered.

You can choose to practice your math facts in a number of ways. Here are some suggestions:

- Flash cards
- Log on to FASTT Math from the DIS website.
- Practice online. Here are some suggested websites for practicing computational fluency. All are free, and a login is NOT required:
 - www.arcademicskillbuilders.com
 - www.mathplayground.com
 - www.coolmath.com
 - www.eduplace.com/kids/hmm
 - <http://www.funbrain.com/brain/MathBrain/MathBrain.html>

Problem Solving

Students are required to complete the 8 multi-step word problems attached. We suggest completing one problem each week during July and August. Encourage your child to be sure to solve all parts of the problem, show all work, and include a label with the answer.

This Summer Math Assignment is

DUE the first week of school.

Problem Solving – Incoming 4th Graders

Problem #1

1st Week of July

Directions: Solve the problem. Show all of your work and be sure to label your answer.

The fourth grade classes sold muffins at a school bake sale. Mr. Brown's class sold 204 muffins. Mrs. Kelly's class sold 189 muffins. The school had a goal to sell 500 muffins that day. How many muffins do they still need to sell?

Problem #2

2nd Week of July

Directions: Solve the problem. Show all of your work and be sure to label your answer.

John picks 37 string beans. Amanda picks 46 string beans. They each give 12 string beans to Tom. What is the total number of string beans that John and Amanda have left?

Problem #3**3rd Week of July**

Directions: Solve the problem. Show all of your work and be sure to label your answer.

Carly has 11 stickers. Lily has three times as many stickers as Carly. How many stickers do they have in all?

Problem #4**4th Week of July**

Directions: Solve the problem. Show all of your work and be sure to label your answer.

Evan has 5 rows of rose bushes in his garden. Each row has 6 bushes. If he plants one more row of 6 bushes, how many bushes will he have in all?

Problem #5**1st Week of August**

Directions: Solve the problem. Show all of your work and be sure to label your answer.

Corinne bought 3 used books for \$6 each. She paid with a \$20 bill. How much change should Corinne get back?

Problem #6**2nd Week of August**

Directions: Solve the problem. Show all of your work and be sure to label your answer.

Grace baked 38 cookies. She kept 6 cookies for her family. Then she gave an equal number of cookies to 8 friends. How many cookies did each friend receive?

Problem #7

August

3rd Week of

Directions: Solve the problem. Show all of your work and be sure to label your answer.

Marissa and Melek sold cups of lemonade. Marissa sold 455 cups of lemonade. Melek sold 50 cups fewer than Marissa. How many cups of lemonade did they sell in all?

Problem #8

August

4th Week of

Directions: Solve the problem. Show all of your work and be sure to label your answer.

An extremely large bird cage at the mall has 82 male birds. It has 85 more females than males. How many birds are in this cage?