Neshaminy School District

Office of Curriculum, Instruction, & Assessment

Summer Preparation Packet

FOR STUDENTS ENTERING FIFTH GRADE

NAME:_____

Busy Day

A group of your friends have invited you to join them on Saturday to go to a matinee movie, get some lunch and play some video games. Your parents say you can go, but only if you do all your chores first.

Your chores list includes doing your homework which will take you about 45 minutes, collecting and taking out all the trash which takes about 15 minutes, 30 minutes of folding laundry, and cleaning your room which usually takes about 45 minutes.

Your friends are getting together at 11:00 a.m. and you have a lot to do before your mom and dad will let you go.

What time do you need to wake up?
Are there other things you need to do before you leave the house?

Remember to show all your work in an organized way.
Explain how you found your answer using correct math language.

Disappearing Cookies

Kathy had fun baking lots of cookies. She made 24 of them, leaving them on a plate to cool while she went shopping with her dad. Her brother saw the cookies and took 1/2 of them to his Scout meeting. Her sister took 1/4 of the remaining cookies to share with her friends. Finally, her mom took 1/3 of the remaining cookies to her Book Club meeting.

When Kathy and her dad got home, how many cookies were left on the plate?

Show your work or explain how you got your answer.

Great Pizza Dilemma

I am planning on having 5 friends over for a pizza party. I bought 3 pizzas (all the same size) for the party. One was divided into 4 equal parts, the 2nd was divided into 6 equal parts and the 3rd pizza was divided into 8 equal parts.

Is there any possible way I can show how to share these pieces so that each one of us gets the same amount?

If not, show how much each person gets.

Be sure to explain your reasoning clearly. You can make your own fraction pieces to help solve the problem.

Ants in the Well

An ant is at the bottom of an 8-foot deep well and is trying to get to the top. During the day he climbs 4 feet up but at night he slides back 2 feet. How long does it take for him to get out of the well?

Explain your solution with words and a drawing.

Miss Guy's Puppy Problem

Miss Guy has a very energetic puppy. Miss Guy decided to build a rectangular pen for the puppy to sleep in at night. She just happens to have 12 pieces of plastic fencing in her basement that she can use for the pen. What are some of the ways she can set up the pen that uses all the fencing?

Write a letter to Miss Guy explaining her choices and which pen you would recommend she build. Be sure to show how you made your decisions and include a mathematical representation to support your solution.

Dear Miss Guy,

Here are some drawings that helped me solve the problem.

Party Planning

How should we sit? For the surprise party we are giving for our teacher, we need to figure out how we want to arrange the cafeteria. There are 14 rectangular tables we can use, each that can seat 3 people to a side and 1 person on each end.

If we need to seat 50 people for our party, what is the best way for us to arrange the tables? We want to set the tables up in a special way so that more people could sit together.

Show the plans you come up with and tell which arrangement you think is best and why. Do we need to use all 14 tables?

Playground Fun

Mr. Andrews wants to buy 5 soccer balls, twice as many basketballs, and 3 more footballs than soccer balls. If soccer balls cost $7.95 each, basketballs cost $5.95 each, and footballs cost $8.95, how much will Mr. Andrews spend on the sports equipment?

Show your work and explain how you got your answer.

Stacks of Coins

Dylan broke open his piggy bank and found a pile of quarters, dimes and pennies. He had a total of 52 coins. He used all of his coins to buy a book for $5.98.

As he was stacking up his coins to pay the clerk, he realized 2 of the stacks had the same number of coins, while the 3rd stack had twice as many coins.

How many quarters, dimes and pennies did Dylan have? Show your work.

4th grade Fact Fluency – Addition
Goal – 2 minutes

6 + 4	5 + 4	6 + 2	5 + 9	6 + 5
8 + 9	5 + 5	4 + 5	5 + 3	8 + 3
8 + 7	3 + 4	4 + 6	3 + 6	7 + 7
4 + 3	5 + 6	6 + 9	3 + 7	9 + 4
2 + 6	7 + 2	5 + 2	5 + 7	2 + 8
9 + 9	4 + 4	8 + 4	7 + 4	6 + 6
8 + 5	6 + 8	3 + 8	6 + 4	4 + 9
2 + 4	3 + 2	6 + 3	2 + 9	5 + 4
8 + 7	8 + 9	9 + 6	9 + 8	7 + 9
4 + 8	4 + 9	7 + 5	9 + 5	8 + 8

4th grade Fact Fluency -- Subtraction
Goal -- 2 minutes

10 - 4	9 - 4	8 - 2	14 - 9	11 - 5
17 - 9	10 - 5	9 - 5	8 - 3	12 - 3
15 - 7	7 - 4	10 - 6	9 - 6	14 - 7
7 - 3	11 - 6	15 - 9	10 - 7	13 - 4
8 - 6	9 - 2	7 - 2	12 - 7	10 - 8
18 - 9	8 - 4	12 - 4	11 - 4	12 - 6
13 - 5	14 - 8	11 - 8	10 - 4	10 - 4
6 - 4	5 - 2	9 - 3	10 - 9	5 - 4
15 - 7	11 - 9	15 - 6	17 - 8	16 - 9
12 - 8	13 - 9	12 - 5	14 - 5	16 - 8

4th grade Fact Fluency – Multiplication
Goal – 3 minutes

5 x 6 =	9 x 9 =	2 x 7 =	9 x 2 =	6 x 3 =
8 x 5 =	7 x 4 =	9 x 3 =	9 x 8 =	6 x 6 =
8 x 6 =	2 x 6 =	8 x 7 =	3 x 3 =	4 x 6 =
7 x 6 =	9 x 5 =	4 x 8 =	3 x 7 =	8 x 3 =
2 x 5 =	5 x 7 =	2 x 8 =	7 x 7 =	5 x 5 =
5 x 3 =	8 x 8 =	2 x 2 =	9 x 4 =	4 x 2 =
5 x 4 =	9 x 7 =	4 x 3 =	4 x 4 =	2 x 6 =
9 x 4 =	2 x 2 =	4 x 6 =	8 x 4 =	6 x 7 =
10 x 9 =	4 x 7 =	6 x 8 =	8 x 9 =	4 x 5 =
3 x 9 =	6 x 9 =	5 x 2 =	3 x 5 =	7 x 3 =

4th grade Fact Fluency - Division
Goal – 3 minutes

20 ÷ 5 =	30 ÷ 5 =	14÷ 2 =	18 ÷ 2 =	18 ÷ 3 =
40÷ 5 =	28 ÷ 4 =	27 ÷ 3 =	32 ÷ 4 =	35 ÷ 5 =
14 ÷ 7 =	64 ÷ 8 =	21 ÷ 7 =	9 ÷ 3 =	24 ÷ 4 =
18 ÷ 6 =	45 ÷ 5 =	12 ÷ 6 =	21 ÷ 3 =	24 ÷ 3 =
72 ÷ 8 =	35 ÷ 7 =	16 ÷ 2 =	15 ÷ 5 =	24 ÷ 6 =
15 ÷ 3 =	30 ÷ 6 =	81 ÷ 9 =	36 ÷ 4 =	63 ÷ 9 =
20 ÷ 4 =	36 ÷ 6 =	12 ÷ 3 =	16 ÷ 4 =	28 ÷ 7 =
42 ÷ 7=	42 ÷ 6 =	48 ÷ 6 =	49 ÷ 7 =	63 ÷ 7 =
10 ÷ 2 =	28 ÷ 4 =	32 ÷ 4 =	12 ÷ 2 =	20 ÷ 5 =
12 ÷ 4 =	8 ÷ 4 =	56 ÷ 7 =	6 ÷ 3 =	54 ÷ 6 =