

Incoming **Third** Graders Summer Math Challenge

Choice Board

#1. Write a **fact family** for each of the following numbers:

12, 15, 18, 24

#2. At a restaurant *or* while grocery shopping, work together with a parent/guardian to **estimate** the bill.

#3. Show five different ways to make \$3.64 using **coins** and/or **bills**.

#4. Write 10 “Names/Ways” to show each of the following numbers.

8, 12, 36, 54

For example 3 names for 12 could be:
12 x1 4+13-1 12-0

#5. Write and/or show the following three-digit number a minimum of three ways: 349

#6. Count by **nickels, dimes,** and **quarters** up to \$3.00

* #7. Collect a variety of **coins** and count them. Discuss other coin combinations that would equal the same amount.

* #8. Draw or make a minimum of three **arrays** and three multiples of **equal groups**. Make up and solve number stories to go with them (minimum of 6 number stories).

* #9. Cut out pictures from newspapers and magazines that show different **shapes**, such as triangles, quadrilaterals and other polygons.

#10. Practice telling **time**. Have someone ask you questions such as, “What time is it?” and/or “In how many minutes will it be 11:00 or 3:15?”

#11. What number is 10 more than 4, 492? What number is 300 more than 567? Make up three more examples like these.

#12. What is the rule for the Input/output Machine?

Input	Output
2	8
3	12
4	
5	

Then, create your own!

* #13. Create a “Favorite Summer Activity” survey. Collect data from at least 10 family members and/or friends using tally marks. Use the data to create a **chart or graph** of your choice.

#14. Determine the **pattern**. What comes next in each pattern?
2, 4, 6, _____, _____
50, 60, _____, _____
12, 10, 8, _____, _____
Then, create three of your own patterns.

#15. Draw to show **halves, thirds,** and **fourths**. Challenge yourself to show sixths, eighths, and twelfths.

#16. Make up three or more **addition and subtraction** number stories and solve (minimum of 6 number stories). Challenge: Can you write a multi-step problem?

* #17. Find three items in your house to **measure** in inches and centimeters. Record your findings.

#18. **Skip count** by 2’s, 5’s and 10s to 100 to help you prepare for multiplication.

#19. **Skip count** by 3’s to 30, 4’s to 40, and 6’s to 60 to help you prepare for multiplication.

#20. **Skip count** by 7’s to 70, 8’s to 80, 9’s to 90 and 12’s to 120 to help you prepare for multiplication.

Child’s Name: _____ New Class #: _____ Parent/Guardian Signature _____