

Incoming 4th grade Summer Math Packet



Dear rising 4th grade parents,

Please preview this packet in its entirety, as some activities are meant to be completed at the beginning or end of summer, some of the practice can be solved while on the road. We are hoping to partner with you beginning this summer, to help prevent the traditional summer slide. Your student has worked hard in 3rd grade and just keeping up with the skills that your student has already learned, will set them up to be ready to go at 4th grade.

All problems that you will find are based on 3rd grade mathematics common core standards, but also included are some problems that should stretch your student's thinking by applying some of the skills that they've learned. Come up with your own strategies, keep some notes as to how you reached your solution, show work where appropriate and do your best to explain your answers and strategies. Basic multiplication (thru 12's) and division skills are the building blocks of 4th grade mathematic We suggest practicing this daily if possible, and you'll find that our packet begins just there, and ends with some recommended websites.

If this packet is completed in its entirety and turned in during the first week of school, you're student will be invited to a Doughnut Party 😊

The numbers of _____ life 😊
(name)

Your Numbers Go Here	Standard Form (25)	Expanded Form (20 + 5)	Word Form (Twenty Five)
House Number _____			
Age _____			
Total pages in a book you're reading _____			
How many inches tall are you? _____			
How much do you weigh? _____			
What is your shoe size? _____			
What year were you born? _____			
Insert another personal # : _____			
Insert another personal # : _____			

3rd grade math review

- 1) Give me an example of a fact family?

- 2) What month is represented by the number 6?

- 3) How many weeks are in a year?

4)

Divide	18	48	12	24	30	42	60	72	36
By 6	3								

- 5) Make a number line from 65 – 115 and skip count by 5's



- 6) Draw 6 groups of 3. Write an equation to represent the model, with solution.

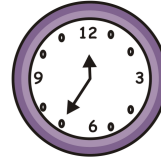
- 7) Complete the following comparison statements. (hint: < less than, > greater than)

a. $\frac{1}{2}$ ○ $\frac{3}{4}$ b. $\frac{1}{8}$ ○ $\frac{7}{8}$ c. $\frac{1}{3}$ ○ $\frac{1}{12}$

- 8) Order from least to greatest $\frac{1}{6}$, $\frac{4}{6}$, $\frac{3}{6}$ _____

9) Order from greatest to least $\frac{6}{9}$, $\frac{2}{9}$, $\frac{4}{9}$ _____

10) What time is it?

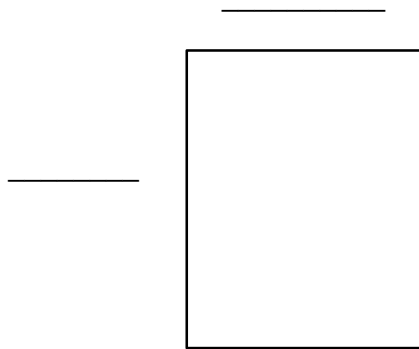


11) Is it AM or PM when you eat breakfast?

12) Is it AM or PM when you go to bed?

13) Label the image below with the measurements of your favorite book. Then find the perimeter of your favorite book? (Remember to include the units in your answer ex: inches, cm).

Perimeter = Length + Length + Width + Width



Perimeter = _____

14) Complete the patterns:

a. 11, 22, 33, _____, _____, _____

b. 80, 72, 64, _____, _____, _____

Add the following addends together

$$\begin{array}{r} 658 \\ + 272 \\ \hline \end{array}$$

$$\begin{array}{r} 792 \\ + 823 \\ \hline \end{array}$$

$$\begin{array}{r} 465 \\ + 425 \\ \hline \end{array}$$

$$\begin{array}{r} 1,262 \\ + 2,443 \\ \hline \end{array}$$

Find the differences:

$$\begin{array}{r} 782 \\ - 523 \\ \hline \end{array}$$

$$\begin{array}{r} 925 \\ - 107 \\ \hline \end{array}$$

$$\begin{array}{r} 813 \\ - 720 \\ \hline \end{array}$$

$$\begin{array}{r} 5,320 \\ - 2,215 \\ \hline \end{array}$$

Rounding Practice

Number	Nearest Ten	Nearest Hundred
576	580	600
675		
298		
895		
453		
531		
1,235		
691		
112		
325		
5,236		

Get outside this summer and just run.

We'll see who improved their sprint time the most this summer.

Instructions:

Use a tape measure and measure out 12 feet (you may need someone to help you)

Ask a partner with a stopwatch to measure your time.

Repeat 12 times, on 12 different days

Date	Measure your speed in seconds in this format
6/3	8.25 secs

What the difference between your best time and your slowest time?

Show your work here.

Can you follow a recipe? With your parent's permission, ask to help out with dinner or desert a few times this summer.

Here's a fun idea: Homemade ice cream.

What You'll Need:

- 1 1/2 cups half and half
- 1 tablespoon sugar
- 1/4 teaspoon vanilla
- 1/2 cup rock salt
- 3 cups ice
- 1 gallon-size zip-top bag
- 1 pint-size zip-top bag
- Dish towel

What You Do:

1. Start by filling the gallon-size zip-top bag with half the ice. Invite your child to sprinkle half the rock salt over the ice and then place the pint-size zip-top bag inside.
2. Now carefully measure and pour the half and half into the small pint-size bag along with the vanilla and sugar. Make sure the top is tightly sealed!
3. Pack the rest of the ice around the cream-filled baggie and then sprinkle with the rest of the rock salt. Zip the top, wrap in the dish towel, and get ready to shake.
4. While your child is shaking away, take a moment to chat about what role the salt plays in the homemade ice cream making experiment. Without the salt, the ice wouldn't dip below 32F, which isn't cold enough for making the ice cream. The freezing point of salt water is lower than regular water, so adding all that salt is an essential part of making the cold treat!
5. Enlist your youngster to keep track of the time and check the bag after one to two minutes of good shaking. Creamy ice cream should be awaiting inside!
6. Remove the ice cream from the bag of salted ice and enjoy — straight from the bag.

While cooking or baking, look up the following conversions.

1 cup (c) = _____ Fluid Ounces (oz)

1 Pint (pt) = _____ Cups (c)

1 pound (lb) = _____ Ounces (oz)

1 Gallon (G) = _____ Cups (c)

What did you help bake/cook this summer?

1)

2)

3)

Bonus Fun:

Sudoku

	2	4	
1			3
4			2
	1	3	

1	6				5
		5	2		
5				3	
	4				1
		4	1		
3				5	4

		6		4			9	7
	4		7	3			1	
	1	7		9	2		3	
6				7			8	
1		5		6		9		3
	2			1				6
	5		9	8		1	6	
	9			5	6		7	
8	6			2		3		

Logic Puzzle



Favorite Sports Logic Puzzle

	Baseball	Tennis	Basketball	Soccer
Alex				
Jessica				
Ryan				
Sophie				

Four friends each have different favorite sports. Use the clues to figure out who likes which sport.

- Jessica likes neither soccer nor basketball.
- Ryan used to like basketball and baseball best, but he has changed his mind.
- Neither of the boys likes soccer best.

Analogies

1) 10:100 :: 50: _____

2) Car:4 :: Bike: _____

3) 25:5 :: 16: _____

4) Paper clip : Inch :: _____ : Foot
(hint: 12 inches = 1 foot)

Check out as many of these web-sites as you can.

- In 4th grade we use:
- Moby Max (logins may have been suspended for the summer)
- Khan Academy
- Brain Pop
- Think Central/Go Math

- IXL
- Sum Dog
- Cool Math Games
- Other: _____
- Other: _____