

2017 Summer Math Packet

Dear parents as we continue to grow and strengthen our school's math program, we have decided that we will begin to provide our students with a tool to review and prepare for the following math grade level expectations. As you know summer readings have been in place for a while. This year we are extending the summer experience to include math skills. We encourage you to continue to foster a belief in the importance and enjoyment of mathematics at home. Being actively involved in mathematical activities enhances learning. In preparation for the 2017-2018 school year, each student from Kindergarten to 8th grade is required to complete a summer math review packet. Each packet correlates to the standards of learning as identified and approved by the Diocese of Paterson and the Department of Education. As the packets are aligned to the Terranova Standardized testing, they focus on the prerequisite concepts and skills necessary for student success in each math class. During the first week of school, students will be required to turn in their packets for a grade. Review Skill worksheets will receive an assessment grade and Choice Board Activities will receive a project grade.

- ❖ Skills worksheets: Complete the packet, show work when necessary.
- ❖ Choice Boards:
 - Choose 1 project from the "Board"- Grades 1 to 4
 - 2 - 3 project "Boards" will be assigned - Grades 5 to 8
 - All packets will be available for download at the Holy Spirit website.

The work was designed to support instruction in the new curriculum in both its content and presentation. Activities may be done independently or with a parent, guardian or older brother or sister. Talking about the problem can be an important part of completing some activities.

How Holy Spirit's Summer Math Program Works:

- Students set their own goals for completing math activities.
- Students use the math packet to complete and record responses for the activities.
- Summer Math Packet is returned to school during the week of September 11th-15th.
- Students completing the Summer Math Packet will:
 - Receive a summer math certificate.

Summer Packet may have all or some to the following major content areas:

Standard 1: Operations and Algebraic Thinking Activity

Standard 2: Number and Operations

Standard 3: Measurement and Data

Standard 4: Geometry

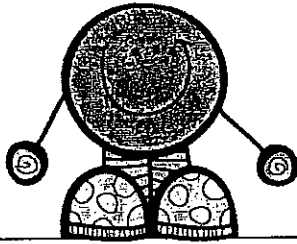
The purpose of the summer math packet is to make sure students are prepared to start the year by understanding the prerequisite skills. We understand that summer is a busy time for families. If possible, the math department recommends that the packet is completed towards the end of the summer to ensure the skills are secured for the start of the year. The administration and the Math teachers wish you and your family a safe, happy, healthy and mathematically thrilling summer!

Thank you for your continued support,

Fr. Marie Antonelli M.F.P.
Principal

Faculty of Holy Spirit School

Pick One



Multiplication Choice Board

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<p><u>Poster</u></p> <p>Create a poster for a younger student teaching them how to multiply numbers. List all the steps and include an example.</p>	<p><u>Menu Problems</u></p> <p>Using a restaurant menu, create 4 multiplication problems and solve each problem using your problem solving strategies. Can you add in extra information?</p>	<p><u>Anchor Chart</u></p> <p>Create an anchor chart poster teaching what multiplication means. Include pictures and an example. Be sure to explain what multiplication is in your own language.</p>
<p><u>Acrostic Poem</u></p> <p>Create an acrostic poem on multiplication. Use words and phrases to explain what multiplication means and when we might use it.</p>	<p><u>Video Project</u></p> <p>Design a video showing and explaining what multiplication means. You may use props, posters, etc. to help you in your video. It must be at least 5 minutes long.</p>	<p><u>Song</u></p> <p>Using a popular song (like Twinkle Twinkle or Row, Row, Row Your Boat), change the lyrics to create a song on multiplication. Be sure to explain what multiplication means and when we might use it.</p>
<p><u>Game</u></p> <p>Design and create a game on multiplication. Include the game rules, question cards, and an answer key. Be creative!</p>	<p><u>Quiz</u></p> <p>Create a 10-question quiz on multiplication. You may choose to do skills practice or word problems or even a mixture of both. Include an answer key.</p>	<p><u>Computer Project</u></p> <p>Design a computer project showing what you know about multiplication. Be creative. You can create example problems, show how to solve it step-by-step, show real world connections, etc.</p>

SUMMER

MATH

REVIEW

PACKET!

Let's get ready for 4th grade!

12,	99,	769,
66,	200,	850,
705,	439,	778,

1.) Write the number that is one more.

6	8	9	29	3	9	8
$\overline{+7}$	$\overline{+8}$	$\overline{+7}$	$\overline{+24}$	$\overline{+8}$	$\overline{+4}$	$\overline{+6}$

1.) Add or Subtract:

49	56	91	76	54
$\overline{+36}$	$\overline{-38}$	$\overline{-38}$	$\overline{+19}$	$\overline{-28}$

2.) Write $>$, $<$, or $=$.

8	4	57	75	764	498
\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
46	46	290	286	88	88
\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

3.) Write the numbers in order from least to greatest

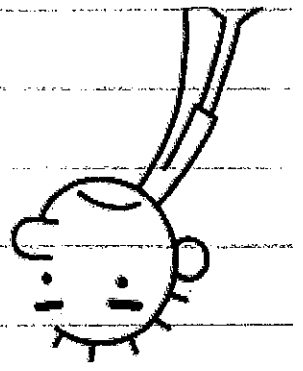
- 1,245 1,153 1,145 1,234 1,009

84	68	957	955	456	656
403	708	938	970	305	306
600	601	130	103	725	752

1.) Circle the greatest number in each group.

3.) What digit is in the tens place?

503	629
329	876
986	137



2.) There were 3 ponies. Rodrick rode each pony 6 times. How many pony rides did Sarah take?

4.) Multiply:

$4 \times 2 =$	$0 \times 4 =$
$2 \times 3 =$	$8 \times 2 =$

2.) Circle the fraction that tells how much is shaded.

	3/4
	1/3
	3/12
	1/4
	2/3
	5/12
	1/3
	2/2

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1.) Count by twos.

Begin at 46. Stop at 56. _____

Begin at 578. Stop at 590. _____

Begin at 812. Stop at 822. _____

2.) Add or Subtract:

460	973	864	738
<u>- 326</u>	<u>- 390</u>	<u>+ 129</u>	<u>+ 191</u>

3.) Multiply:

$8 \times 3 =$ _____ $2 \times 9 =$ _____

$3 \times 3 =$ _____ $4 \times 4 =$ _____

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1.) Add:

347	368	729
<u>+ 317</u>	<u>+ 151</u>	<u>+ 108</u>

2.) Subtract:

871	940	624
<u>- 348</u>	<u>- 328</u>	<u>- 182</u>



3.) Circle the odd numbers.

61 42 85 70 29 43 67 59 71

DRAW two congruent houses.

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2.) Solve:

$$\begin{array}{r} -681 \\ 942 \\ \hline \end{array}$$

$$\begin{array}{r} -552 \\ 826 \\ \hline \end{array}$$

$$\begin{array}{r} +143 \\ 629 \\ \hline \end{array}$$

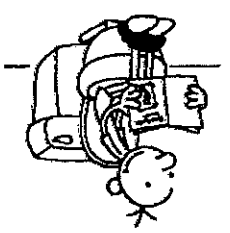
$$\begin{array}{r} +181 \\ 275 \\ \hline \end{array}$$

3.) Solve:

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$



USE <, >, OR =

$$1,456 \text{ --- } 1,444$$

$$3,456 \text{ --- } 3,502$$

$$1,234 \text{ --- } 1,324$$

$$123 \text{ --- } 154$$

1.) Write the numbers in order. Begin with the least number.

$$826, 757, 426, 926:$$

$$729, 646, 421, 527:$$

$$108, 101, 603, 202:$$

$$428, 308, 126, 825:$$

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Fourth Sunday _____

Second Friday _____

Third Saturday _____

First Monday _____

What is the day of the:

What day of the week is June 19?

1.) Use the calendar to answer these questions.

Sum.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

June



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1. Subtract:

$$\begin{array}{r} 640 \\ -319 \\ \hline \end{array}$$

$$\begin{array}{r} 708 \\ -345 \\ \hline \end{array}$$

$$\begin{array}{r} 950 \\ -218 \\ \hline \end{array}$$

$$\begin{array}{r} 509 \\ -263 \\ \hline \end{array}$$

3.) What place is each 4 in? (Hundreds-H, Tens-T, Ones-O)

$$624 \text{ --- } 347 \text{ --- } 430$$

$$340 \text{ --- } 426 \text{ --- } 914$$



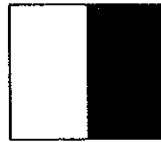
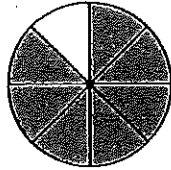
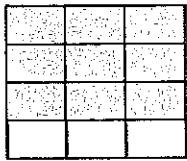
2.) Circle the number that is less.

80	83	708	700	638	632
62	65	206	260	51	62

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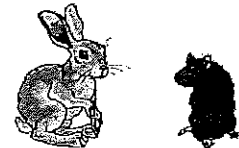
Greg went to the store to buy some snacks. He bought a snickers bar for \$1, a large bag of chips for \$3 and bean dip for \$2. How much change should he receive if he pays with 10 dollars?

2.) How much is shaded?



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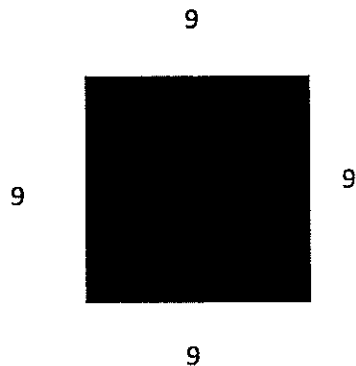
1.) There were 26 rabbits and 35 hamsters.
There were how many more hamsters than rabbits? _____



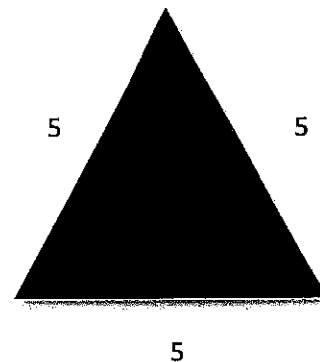
Greg rode his bike 167 blocks in the morning and 234 blocks in the afternoon. How many blocks did he ride in all?

BE SURE TO CHECK YOUR WORK. STUDY YOUR MULTIPLICATION FACTS!

Find the perimeter.



Perimeter = _____



Perimeter = _____

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1.) Write the number that is one less.

64	300	546	58	468
70	500	440	38	461
90	521	700	40	892

2.) Multiply:

0	4	3	5	4	2	9	8	3	1	4
$\times 3$	$\times 3$	$\times 7$	$\times 3$	$\times 4$	$\times 6$	$\times 3$	$\times 2$	$\times 7$	$\times 7$	$\times 8$
4	3	1	5	4	2	9	8	3	1	4

1.) Add or Subtract:

789	497	658	336	64	39	47	55
-545	-389	-422	$+248$	93	42	55	

2.) Circle the odd numbers.

Selena bought three shirts at \$5 each. She also bought a pair of jeans for \$15. What is a good way to find out how much money she spent?

a. add 5 + 15
 b. add 5 + 5 + 5 + 15
 c. subtract 5 from 15
 d. divide 15 by 5

1.) Round each number to the nearest ten.

86	75	25
34	65	77
83	92	53
72	28	39
88	41	54

2.)

5944	6287	6978	7380
-1732	-3145	-2424	-4170

Remember to practice your math facts!

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1.) Add:

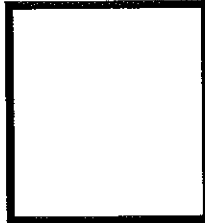
28	63	27	386
34	18	30	203
<u>+ 22</u>	<u>+ 24</u>	<u>+ 42</u>	<u>+ 403</u>

<, >, or =

123,345 _____ 123,434

122,456 _____ 122,458

2.) How many?



Sides _____

Corners _____



Sides _____

Corners _____

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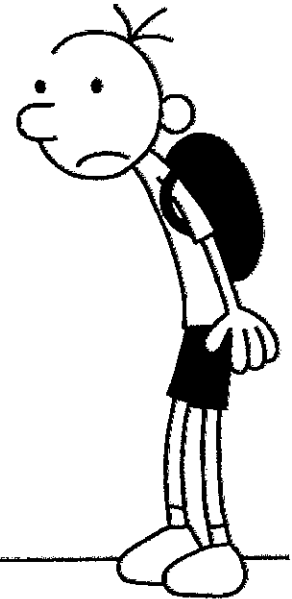
1.) Write each number in standard form.

™ five hundred, two _____

™ three hundred, thirty-four _____

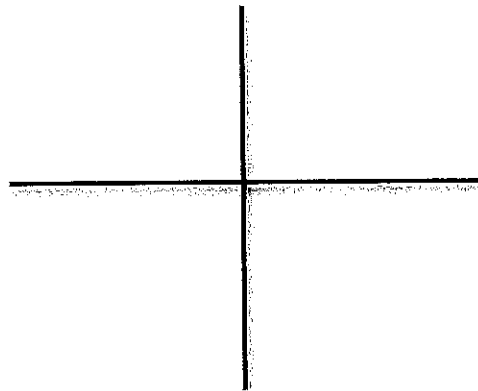
™ four thousand, three hundred, twenty-two _____

™ seven thousand, two hundred, nine _____



2.) Joey picked 1,429 strawberries and 743 blueberries. How many berries did Joey pick in all? _____

Mr. Jones went on a vacation with his family. First he traveled 189 miles to visit a family friend. Then he traveled 234 miles to Dallas. Once he was there he traveled another 95 miles to get to a state park. How many miles did he travel in total?

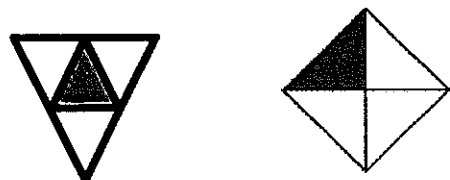


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1.) What fraction is shaded?



$\frac{4}{1}$ $\frac{3}{1}$ $\frac{4}{1}$
 $\frac{2}{1}$ $\frac{3}{1}$ $\frac{1}{1}$ $\frac{2}{1}$

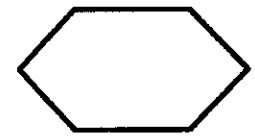
2.) Subtract:

$450 - 228$
 $705 - 372$

3.) Write each missing number.

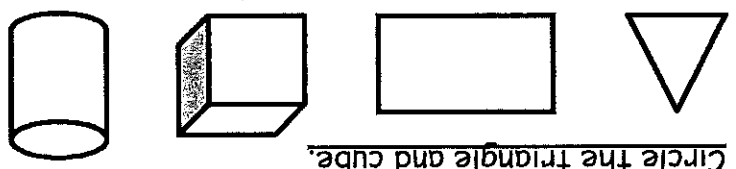
$\frac{\quad}{14} + \frac{\quad}{14} = 14$
 $14 - \frac{\quad}{6} = 8$

1.) How many sides?

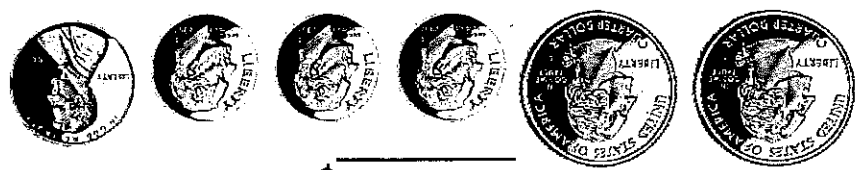


_____ sides

2.) Circle the triangle and cube.



3.) How much money?



_____ \$

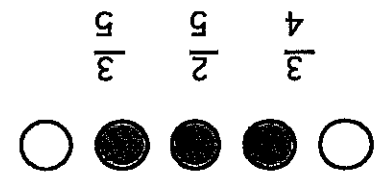
4.) Add:

$268 + 439$
 $638 + 188$

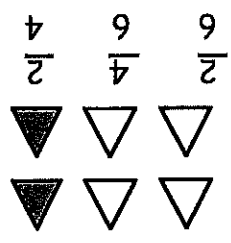
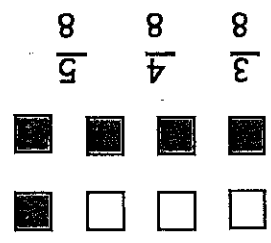
5.) Continue the pattern.



1.) Circle the fraction that is shaded.

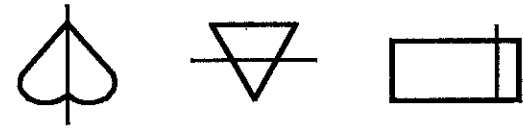


$\frac{4}{3}$ $\frac{5}{2}$ $\frac{3}{3}$
 $\frac{5}{5}$ $\frac{5}{3}$



$\frac{6}{2}$ $\frac{6}{4}$ $\frac{4}{2}$
 $\frac{6}{6}$ $\frac{6}{2}$ $\frac{4}{4}$

2.) Circle the one that shows a line of symmetry.



3.) Subtract:

$264 - 138$
 $509 - 182$
 $721 - 319$
 $569 - 284$

You should know most of your multiplication facts by now.

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1.) If each cookie cost \$2, how many cookies can you buy with \$20? Draw your answer!

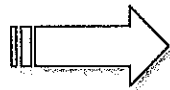
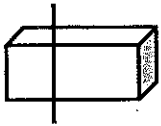
2.) Multiply:

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

3.) Circle the figure that shows a line of symmetry.



$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

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1.) Add or Subtract:

$$\begin{array}{r} 629 \\ + 138 \\ \hline \end{array}$$

$$\begin{array}{r} 761 \\ - 328 \\ \hline \end{array}$$

$$\begin{array}{r} 934 \\ - 492 \\ \hline \end{array}$$

$$\begin{array}{r} 368 \\ + 291 \\ \hline \end{array}$$

$$\begin{array}{r} 729 \\ + 148 \\ \hline \end{array}$$

$$\begin{array}{r} 630 \\ - 318 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ + 192 \\ \hline \end{array}$$



It's almost
time to celebrate!

You have completed
Week #4!

You are half way
done with your
Summer Math Book!

