

Name: _____

SUMMER MATH PACKET

Incoming 5th grade



Hope you all enjoy the relaxing summer vacation from school. We can't let our minds relax too much! The following pages should be completed during the summer months and returned to math class on **TUESDAY, SEPTEMBER 7th**.

This is your first grade of the marking period!

Please work on this packet throughout the summer. Do NOT complete the packet tomorrow *or* wait until September 1st!

The pages should be stapled together with ALL of your work. Show your work!!

I have included a list of FREE websites for fun and to help you with the summer review work. If you have a question, I can be reached at esantini@st-ann-school.org I'll try to get back to you as soon as I can.

Don't forget to practice your math facts and exercise your brain every day!

Have a safe and happy summer!

 Miss Santini

FREE Websites for Fun & Learning

www.khanacademy.org -3rd-12th materials & resources for all subjects & levels

www.mathplayground.com -K-8th worksheets, games, facts

www.adaptedmind.com -1st-6th math worksheets & problems, instructional videos

www.coolmath4kids.com -lessons, practice, games, brain teasers

www.aplusmath.com -games, flashcards, puzzles, homework helper (includes algebra)

www.amathsdictionaryforkids.com -interactive math definitions

www.arcademicskillbuilders.com -K-6th educational games for math

www.xpmath.com -math games arcade by topic & grade level

www.mathisfun.com -1st-7th games, puzzles, practice plus algebra, geometry, & pre-calculus

www.timemonsters.com -lessons & quizzes about time, very funny (1st -H.S.)

www.carnegiestemgirls.org -site to spark & fuel girls' interest in science & math

www.mathabc.com - K-6th online math practice, online tutoring

www.algebrahelp.com -7th-11th lessons, online worksheets all about algebra

www.hoodamath.com -K-8th fun online games to practice concepts

www.PatrickJMT.com -3rd-12th loads of clear math videos

www.homeworksimplified.com -k-12th math, science, English & history

Math Fact Apps

Operation Math \$

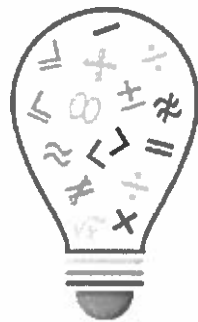
Math Heroes

Sushi Monsters

Math vs Zombies \$\$

Yodel Oh! \$

Adept Mental Math \$



Math Duel \$

Math Ninja HD

Mathtopia \$

Multiplication Game

Fraction Poker

Quiz Math

- Skills:**
- identifies numbers both in word and numeral form
 - understands place value

Directions: Circle or write the correct answer for each question.

1. Which number is forty-five thousand three hundred sixty-six?

- a. 45,300,66 b. 4,536 c. 45,366 d. 45,306,33

2. How do you write 89,032 in words?

3. Which answer shows four and 6 tenths?

- a. 4.6 b. 4.06 c. 46 d. 4 & 6

4. How do you write 10.9 in words?

5. Which digit is in the tens place in 573.2?

- a. 5 b. 7 c. 3 d. 2

6. Which digit is in the hundreds place in 573.2?

- a. 5 b. 7 c. 3 d. 2

7. Which digit is in the tenths place in 145.6?

- a. 1 b. 4 c. 5 d. 6

REVIEW

- Skills:**
- rounds numbers to the nearest tenth
 - recognizes and writes numbers in expanded form

Directions: Round these numbers...

1. to the nearest ten.

733 _____

289 _____

955 _____

2. to the nearest hundred.

733 _____

289 _____

955 _____

3. to the nearest tenth.

733.45 _____

289.32 _____

955.08 _____

4. Match each number with its expanded form.

3607

$36,000 + 700$

36,700

$3,000,000 + 600,000 + 700 + 60 + 7$

360,070

$300,000 + 60,000 + 70$

3,600,767

$3,000 + 600 + 7$

- Skills:**
- uses math symbols correctly
 - puts numbers in order

1. Match each symbol to its meaning.

- | | |
|----------|--------------|
| \times | less than |
| $>$ | divide |
| $<$ | greater than |
| \div | multiply |

2. Write $>$, $<$ or $=$ in the circle to make a true statement.

- | | |
|-------------------|-----------------------------|
| 65.73 ○ 65.79 | 1.3 ○ 2 |
| 81.0 ○ 81.00 | 3×4 ○ 6×2 |

3. Rewrite these numbers in order from smallest to largest.

- | | | | |
|----------|--------|--------|---------|
| 8.00 | 8.30 | $.800$ | $.83$ |
| _____ | _____ | _____ | _____ |
| smallest | | | largest |

4. Rewrite these numbers in order from smallest to largest.

- | | | | |
|----------|-------------|-----------|---------|
| $57,327$ | $5,703,275$ | $573,275$ | $5,732$ |
| _____ | _____ | _____ | _____ |
| smallest | | | largest |

REVIEW

- Skills:**
- understands the process of addition and subtraction
 - solves simple equations using addition and subtraction

Directions: Solve these problems. Watch the signs.

1.
$$\begin{array}{r} 49 \\ +34 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ -48 \\ \hline \end{array}$$

$$\begin{array}{r} 790 \\ +123 \\ \hline \end{array}$$

$$\begin{array}{r} 8241 \\ -3687 \\ \hline \end{array}$$

$$\begin{array}{r} 16,658 \\ -14,327 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 783 \\ 348 \\ +106 \\ \hline \end{array}$$

$$\begin{array}{r} 35,690 \\ -16,825 \\ \hline \end{array}$$
 $8435 - 2671 =$ $3111 + 888 =$

3.
$$\begin{array}{r} \$4.85 \\ + 2.56 \\ \hline \end{array}$$

$$\begin{array}{r} \$149.08 \\ +327.15 \\ \hline \end{array}$$

$$\begin{array}{r} \$29.00 \\ - 4.99 \\ \hline \end{array}$$

$$\begin{array}{r} \$967.25 \\ -483.95 \\ \hline \end{array}$$

Directions: Solve these equations. Solve for X.

4. $x = 35 - 27$ $x = 267 + 19$
 $x = \underline{\hspace{2cm}}$ $x = \underline{\hspace{2cm}}$

5. $x = 41 + 9$ $x = 368 - 42$
 $x = \underline{\hspace{2cm}}$ $x = \underline{\hspace{2cm}}$

Parents: If your child has difficulty with any of these problems, encourage him/her to make pictures to help find the answer.



Nuts!



Welcome to Brown's Nut Shop.

We sell all kinds of nuts.

Think about these "nutty" questions.



<p>There are 3 coconuts in each box. I have 9 boxes of coconuts. How many coconuts do I have?</p>	<p>I have 108 walnuts to put in these little bags. Each bag holds 9 walnuts. How many bags will I use?</p>
<p>If one coconut costs 89 cents, how much will 10 coconuts cost?</p>	<p>Mr. Ruiz bought 8 bags of pecans. There were 36 pecans in each bag. How many pecans did he get?</p>
<p>I have 100 jars of peanut butter. I sold one dozen jars each day last week. How many jars do I have left?</p>	<p>Mrs. Yan's women's group made peanut brittle to sell to raise money for charity. They used $\frac{1}{2}$ pound of peanuts for each batch. How many pounds of peanuts did they use to make 26 batches?</p>

Puzzle 2



Name the Digit

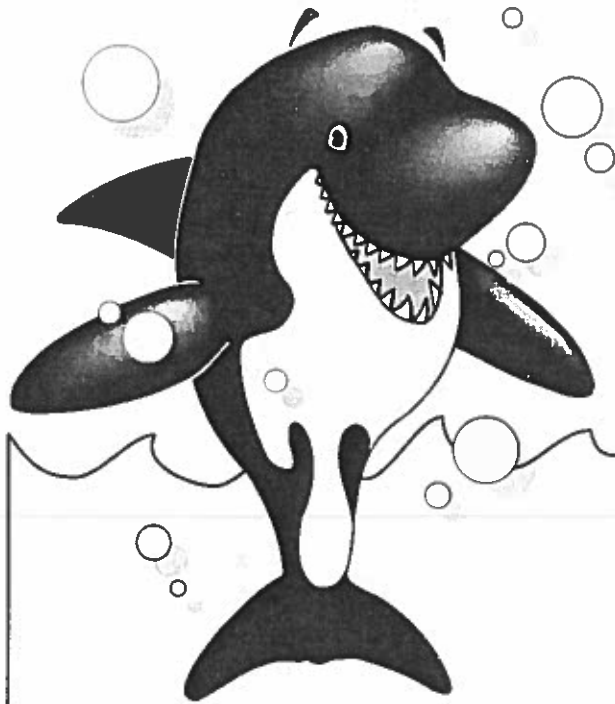
Read each clue. Identify the digit with the place value mentioned. Write that digit on the line. Then, write that same digit as a **number word** in the number puzzle on page 7. See #2 Across. It has been done for you.

Across

- | | | |
|---|---------------|---------------------------------|
| 2. Digit in the millions place: | 1,546,847,365 | <u> 6 </u> |
| 4. Digit in the hundred millions place: | 9,388,731,259 | <u> </u> |
| 6. Digit in the ten thousands place: | 7,034,606,821 | <u> </u> |
| 7. Digit in the ten millions place: | 7,381,056,430 | <u> </u> |
| 9. Digit in the hundred millions place: | 8,462,192,987 | <u> </u> |
| 10. Digit in the billions place: | 2,138,589,159 | <u> </u> |
| 11. Digit in the millions place: | 5,381,295,877 | <u> </u> |
| 13. Digit in the thousands place: | 7,091,713,135 | <u> </u> |
| 14. Digit in the billions place: | 5,264,234,159 | <u> </u> |
| 15. Digit in the hundred thousands place: | 5,476,744,584 | <u> </u> |

Down

- | | | |
|--|---------------|---------------------------------|
| 1. Digit in the hundred thousands place: | 8,123,583,497 | <u> </u> |
| 3. Digit in the thousands place: | 9,269,731,159 | <u> </u> |
| 4. Digit in the tens place: | 7,318,484,729 | <u> </u> |
| 5. Digit in the hundreds place: | 6,442,856,854 | <u> </u> |
| 6. Digit in the ten millions place: | 4,807,731,558 | <u> </u> |
| 7. Digit in the ones place: | 7,460,580,568 | <u> </u> |
| 8. Digit in the ones place: | 9,371,562,122 | <u> </u> |
| 9. Digit in the ten thousands place: | 3,860,054,109 | <u> </u> |
| 12. Digit in the tens place: | 7,641,112,298 | <u> </u> |
| 14. Digit in the hundreds place: | 8,096,219,432 | <u> </u> |



Do You Remember?

$$3 \overline{)9}$$

$$5 \overline{)15}$$

$$7 \overline{)63}$$

$$2 \overline{)18}$$

$$4 \overline{)24}$$

$$6 \overline{)36}$$

$$9 \overline{)18}$$

$$1 \overline{)8}$$

$$8 \overline{)32}$$

$$3 \overline{)27}$$

$$6 \overline{)30}$$

$$4 \overline{)36}$$

$$7 \overline{)14}$$

$$2 \overline{)12}$$

$$5 \overline{)35}$$

$$8 \overline{)40}$$

$$1 \overline{)9}$$

$$9 \overline{)72}$$

$$3 \overline{)21}$$

$$6 \overline{)18}$$

$$2 \overline{)16}$$

$$7 \overline{)28}$$

$$9 \overline{)45}$$

$$5 \overline{)25}$$

$$4 \overline{)32}$$

$$8 \overline{)24}$$

$$5 \overline{)15}$$

$$9 \overline{)36}$$

Find the Remainders

$$\begin{array}{r} 506 \text{ R } 2 \\ 5 \overline{) 2532} \end{array}$$

$$8 \overline{) 8249} \text{ R}$$

$$3 \overline{) 9635} \text{ R}$$

$$2 \overline{) 6283} \text{ R}$$

$$4 \overline{) 8439} \text{ R}$$

$$7 \overline{) 4279} \text{ R}$$

$$5 \overline{) 1008} \text{ R}$$

$$6 \overline{) 6646} \text{ R}$$

$$9 \overline{) 5462} \text{ R}$$

$$7 \overline{) 7499} \text{ R}$$

$$3 \overline{) 6394} \text{ R}$$

$$5 \overline{) 5458} \text{ R}$$

Add Unlike Fractions

$$\frac{1}{3} + \frac{1}{4} = \frac{4}{12} + \frac{3}{12} = \boxed{\frac{7}{12}}$$

$$\frac{1}{2} + \frac{1}{3} = \text{---} + \text{---} = \boxed{\phantom{\frac{7}{12}}}$$

$$\frac{1}{4} + \frac{2}{3} = \text{---} + \text{---} = \boxed{\phantom{\frac{7}{12}}}$$

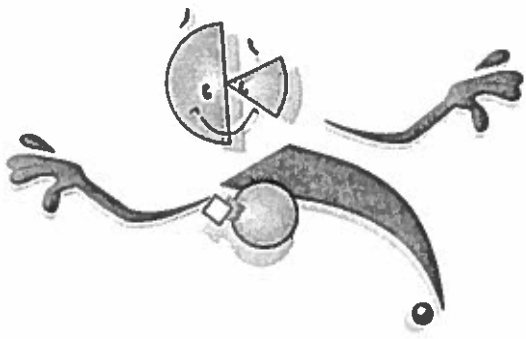
$$\frac{1}{2} + \frac{1}{5} = \text{---} + \text{---} = \boxed{\phantom{\frac{7}{12}}}$$

$$\frac{2}{5} + \frac{1}{3} = \text{---} + \text{---} = \boxed{\phantom{\frac{7}{12}}}$$

$$\frac{1}{4} + \frac{3}{5} = \text{---} + \text{---} = \boxed{\phantom{\frac{7}{12}}}$$

$$\frac{3}{10} + \frac{2}{5} = \text{---} + \text{---} = \boxed{\phantom{\frac{7}{12}}}$$

$$\frac{3}{7} + \frac{1}{2} = \text{---} + \text{---} = \boxed{\phantom{\frac{7}{12}}}$$



Subtract Unlike Fractions

Don't forget to change them to like fractions first.

$$\frac{3}{4} - \frac{1}{3} = \frac{5}{12}$$

$$\frac{4}{5} - \frac{2}{3} = \underline{\quad}$$

$$\frac{2}{3} - \frac{1}{2} = \underline{\quad}$$

$$\frac{5}{6} - \frac{3}{4} = \underline{\quad}$$

$$\frac{7}{10} - \frac{2}{5} = \underline{\quad}$$

$$\frac{5}{8} - \frac{1}{4} = \underline{\quad}$$

$$\frac{4}{9} - \frac{1}{4} = \underline{\quad}$$

$$\frac{4}{7} - \frac{1}{3} = \underline{\quad}$$

$$\frac{7}{13} - \frac{1}{2} = \underline{\quad}$$

$$\frac{11}{15} - \frac{3}{5} = \underline{\quad}$$

$$\frac{7}{8} - \frac{1}{4} = \underline{\quad}$$

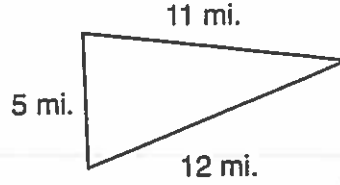
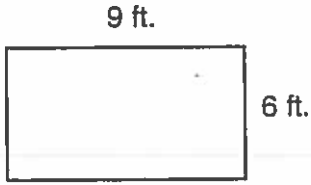
$$\frac{6}{7} - \frac{1}{4} = \underline{\quad}$$

Name _____

Date _____

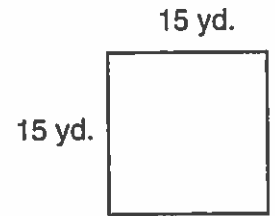
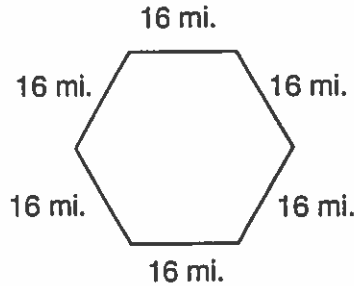
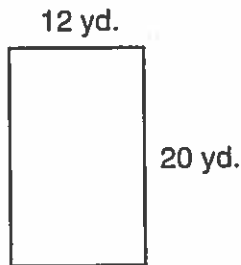
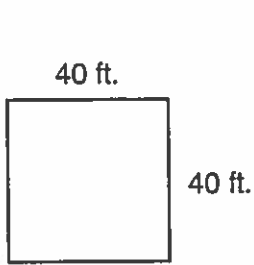
The Polygon Pirate

The Polygon Pirate is searching the islands below for buried treasure. Find the distance he must travel around each island by writing its perimeter in the blank. Don't forget the units!



1. _____

2. _____

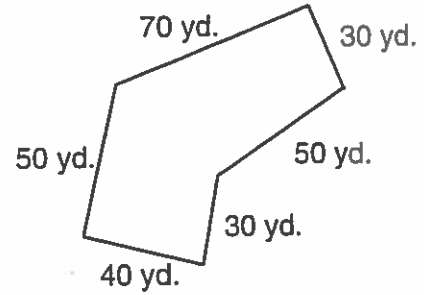
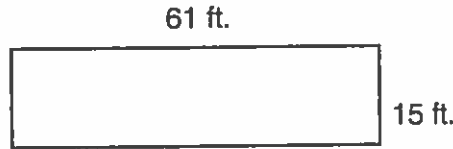
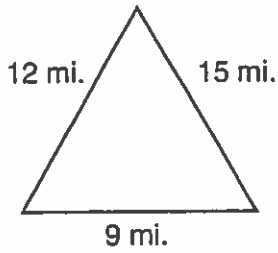


3. _____

4. _____

5. _____

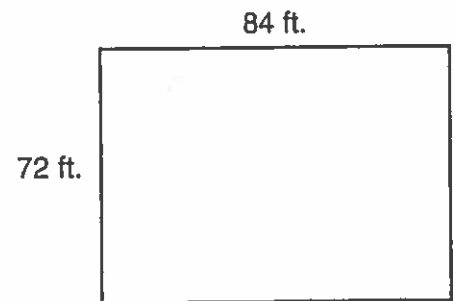
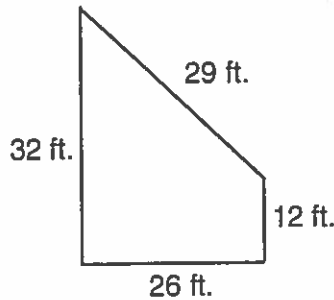
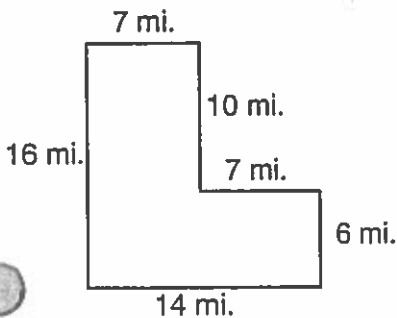
6. _____



7. _____

8. _____

9. _____



10. _____

11. _____

12. _____