



Harbor Country Day School

Summer Math Packet
For Students Entering Grade 4

Please complete this math packet throughout the summer and bring it on the first day of school.

Name _____

Multiplication Practice: Practice your multiplication facts. To make it more fun, have someone time you for two minutes to see how many you can complete. If you do not finish in the two minutes be sure to complete the rest of the page.

$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$

Subtraction Practice: Subtract using mental math.

1. $100 - 60 =$ _____

2. $140 - 3 =$ _____

3. $900 - 400 =$ _____

4. $1600 - 800 =$ _____

5. $1200 - 300 =$ _____

Estimate by rounding to the nearest ten. Write a new number model for the rounded numbers and then subtract.

Example: $124 - 21 =$ _____

$120 - 20 = 100$

6. $93 - 38 =$ _____

7. $67 - 49 =$ _____

8. $75 - 27 =$ _____

9. $51 - 14 =$ _____

Estimate by rounding to the nearest hundred or dollar. Write a new number model for the rounded numbers and then subtract.

10. $635 - 379 =$ _____

11. $809 - 292 =$ _____

12. $\$5.50 - \$1.89 =$ _____

13. $\$7.98 - \$5.25 =$ _____

Subtract

14. $\begin{array}{r} 739 \\ -372 \\ \hline \end{array}$	15. $\begin{array}{r} \$6.00 \\ -\$2.79 \\ \hline \end{array}$	16. $\begin{array}{r} 832 \\ -457 \\ \hline \end{array}$	17. $\begin{array}{r} 503 \\ -298 \\ \hline \end{array}$	18. $\begin{array}{r} 8,426 \\ -2,518 \\ \hline \end{array}$	19. $\begin{array}{r} 5,000 \\ -3,642 \\ \hline \end{array}$
20. $\begin{array}{r} 8,030 \\ -2,746 \\ \hline \end{array}$	21. $\begin{array}{r} 3,285 \\ -2,639 \\ \hline \end{array}$	22. $\begin{array}{r} \$98.05 \\ -\$39.52 \\ \hline \end{array}$	23. $\begin{array}{r} 8,264 \\ -3,537 \\ \hline \end{array}$	24. $\begin{array}{r} 9,063 \\ - 879 \\ \hline \end{array}$	Bonus: $\begin{array}{r} 6,003,070 \\ -3,471,684 \\ \hline \end{array}$

- | | |
|---|---|
| 1. Write 6 in the ones place.
Write 4 in the thousands place.
Write 9 in the hundreds place.
Write 0 in the tens place.
Write 1 in the ten thousands place. | 2. Write 6 in the tens place.
Write 4 in the ten thousands place.
Write 9 in the ones place.
Write 0 in the hundreds place.
Write 1 in the thousands place. |
|---|---|

_____ , _____ , _____

3. Compare the two numbers you wrote in Problems 1 and 2.

Which is greater? _____

4. Complete.

Example: The 9 in 4,965 stands for 9 hundreds or 900

The 7 in 87,629 stands for 7 _____ or _____

The 4 in 48,215 stands for 4 _____ or _____

The 0 in 72,601 stands for 0 _____ or _____

Continue the Counts.

5. 4,707; 4,708; 4,709; _____; _____; _____

6. 7,697; 7,698; 7,699; _____; _____; _____

7. 903; 902; 901; _____; _____; _____

8. 6,004; 6,003; 6,002; _____; _____; _____

9. 47,265; 47,266; 47,267; _____; _____; _____

Write the number that is 1,000 more.

10. 6,583 _____

11. 9,990 _____

12. 39,510 _____

Write the number that is 1,000 less.

13. 6,583 _____

14. 9,990 _____

15. 20,000 _____

537 -219	7,257 -4,188	921 -472
10,781 +73,919	49,548 +56,711	267 +777

Add

- 9 dollars
- 12 quarters
- 25 dimes
- 11 nickels
- + 18 pennies

_____ Total amount of money \$ _____

Mrs. Patton baked 135 delicious cookies. She took 47 to church and took 14 to her neighbor's home. Her family ate 8 cookies. She plans to bring the remaining cookies to the fourth grade party. How many cookies will she bring? Show your work and remember your unit.

$\begin{array}{r} 327 \\ +481 \\ \hline \end{array}$	$\begin{array}{r} 1,537 \\ +7,914 \\ \hline \end{array}$	$\begin{array}{r} 8,134 \\ + 817 \\ \hline \end{array}$	$\begin{array}{r} 12,929 \\ +58,182 \\ \hline \end{array}$	$\begin{array}{r} 104,278 \\ + 45,487 \\ \hline \end{array}$
$\begin{array}{r} 789 \\ +6,135 \\ \hline \end{array}$	$\begin{array}{r} 371,843 \\ +563,777 \\ \hline \end{array}$	$\begin{array}{r} 9,674 \\ +7,432 \\ \hline \end{array}$	$\begin{array}{r} 489 \\ 243 \\ +156 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ 234 \\ 468 \\ +146 \\ \hline \end{array}$

Write each number.

5

Example: one million, four hundred thousand, five hundred three 1,410,503

1. three million, nine hundred fifty-four thousand, six hundred twenty-nine

2. nine million, six hundred twenty-one thousand, six hundred eight

3. two million, thirty - nine thousand, four hundred ninety-eight

4. nine hundred forty -one thousand, eight hundred five

5. seven million, three thousand, two hundred eighty

6. six million, two hundred nine thousand, four hundred fifty - five

7. nine million, eight hundred two

8. six million, nine thousand, ten

Write the multiplication and division fact family for each group of numbers.

Example: 4, 28, 7

$$4 \times 7 = 28$$

$$7 \times 4 = 28$$

$$28 \div 7 = 4$$

$$28 \div 4 = 7$$

1. 45, 9, 5

2. 32, 4, 8

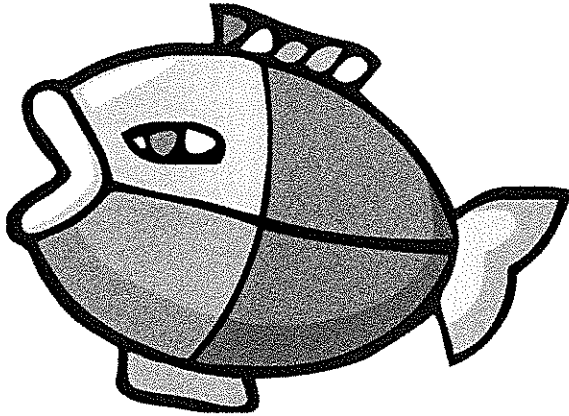
3. 20, 4, 80

4. 6, 40, 240

5. 10, 6, 60

6. 30, 70, 210

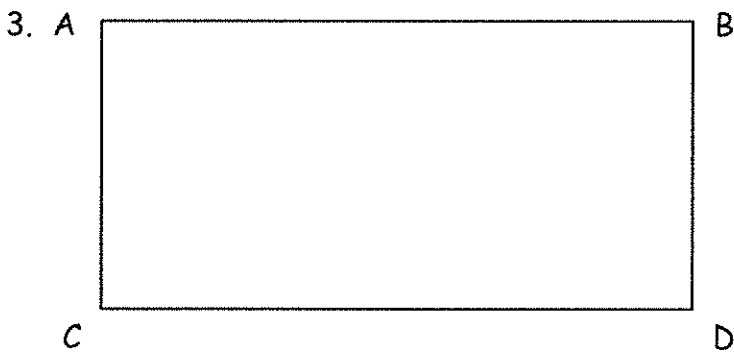
Measurement Review: Use fractions to carefully measure these drawings using both the 7 inch and centimeter sides of your ruler.



1. The length of the fish is about _____ inches and about _____ cm.

2. A _____ B

The distance of line segment AB above is about _____ in and _____ cm.



Line segment AB measures about _____ in.

Line segment AB measures about _____ cm.

Line segment AC measures about _____ in.

Line segment AC measures about _____ cm.

Carefully draw the following line segments.

4. 9.5 cm

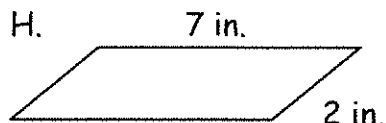
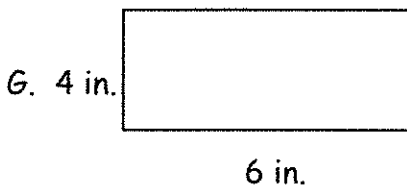
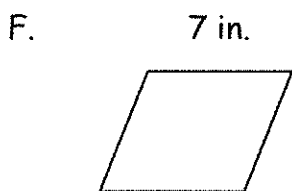
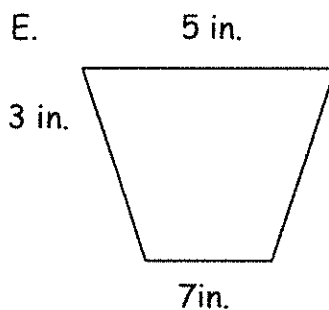
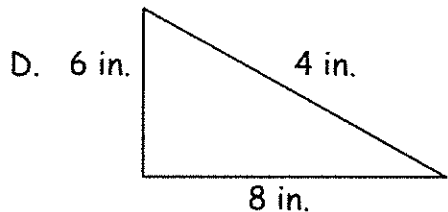
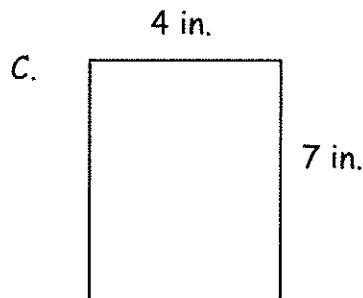
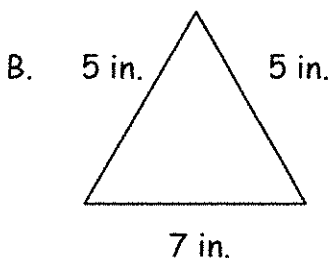
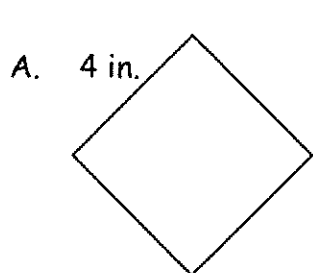
5. $4\frac{1}{2}$ in

6. 2 cm shorter than 9.5 cm.

7. $1\frac{1}{4}$ in. shorter than $4\frac{1}{4}$ in.

Match the description with the correct polygon. Write the letter of that polygon.

- 1. a rectangle with a perimeter of 22 in. _____
- 2. a triangle with a perimeter of 18 in. _____
- 3. a parallelogram with a perimeter of 18 in. _____
- 4. a square with a perimeter of 16 in. _____
- 5. a trapezoid with a perimeter of 18 in. _____
- 6. a triangle with a perimeter of 17 in. _____
- 7. A rhombus with a perimeter of 28 in. _____
- 8. a rectangle with a perimeter of 20 in. _____



Write the number that matches each description.

- 1. 4 in the tenths place
- 2 in the thousandths place
- 7 in the hundredths place
- 0 in the ones place

- 2. 5 in the tenths place
- 3 in the tens place
- 5 in the ones place
- 3 in the hundredths place

- 3. 4 in the thousandths place
- 2 in the ones place
- 7 in the hundredths place
- 0 in the tenths place

- 4. 0 in the hundredths place
- 6 in the ones place
- 8 in the thousandths place
- 0 in the tenths place

Write each number below as a decimal.

- 5. nine-tenths _____
- 6. thirty-thousandths _____
- 7. fifty-three hundredths _____
- 8. sixty and four-tenths _____
- 9. seven and seven-thousandths _____
- 10. sixty and four-hundredths _____
- 11. eight hundred _____
- 12. sixty-two thousandths _____

Fill in the missing numbers.



Solve each problem.

1. Samuel bought presents for 40 cents, 50 cents, 60 cents, and 70 cents. How much money did he spend in all? _____

CHECK: Does my answer make sense? _____

2. Trini rode her bike 12 miles on Friday. She rode 14 miles on Saturday and 15 miles on Sunday. How many miles did she ride in all? _____

CHECK: Does my answer make sense? _____

3. Jon, Dave, and Kevin collected rocks at the beach. Each boy collected 25 rocks. How many rocks did the boys collect in all? _____

CHECK: Does my answer make sense? _____

4. The Torrey family was on vacation. One day, they spent \$140 for a motel room, \$130 for meals, and \$200 at a park. How much money did they spend that day? _____

CHECK: Does my answer make sense? _____

Use a straightedge to draw the following.

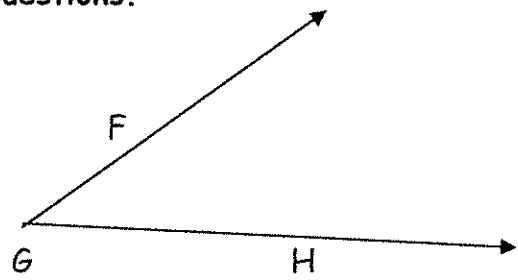
1. Draw and label line segment AB

2. Draw and label line XY

3. Draw and label ray CD

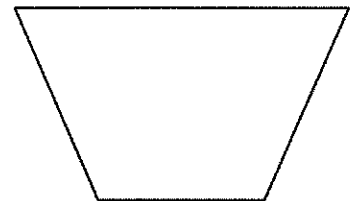
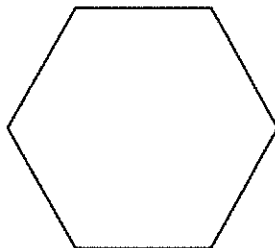
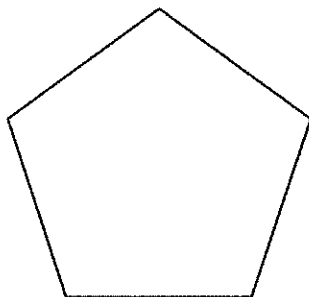
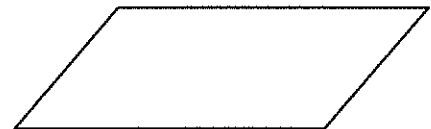
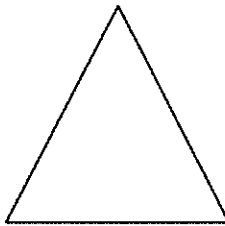
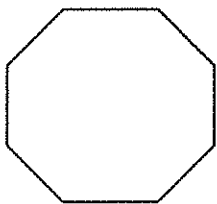
Use the figure to the right to answer the following questions.

4. Write 2 names for this figure.



5. What point names the vertex of this figure? _____

6. Write the name of each polygon below under the picture.



Round to the nearest ten.

275 _____

462 _____

3,144 _____

8,392 _____

54,297 _____

278,434 _____

Round to the nearest hundred.

465 _____

6,130 _____

2,451 _____

2,451 _____

64,958 _____

2,429 _____

Round each number to the given place.

1. Round 23,876 to the nearest

ten _____

hundred _____

thousand _____

ten thousand _____

2. Round 297,497,026 to the nearest

Hundred _____

thousand _____

Ten _____

hundred thousand _____

3. Round 34,973.382 to the nearest

Tenth _____

hundred _____

Ten thousand _____

hundredth _____

One _____

ten _____

