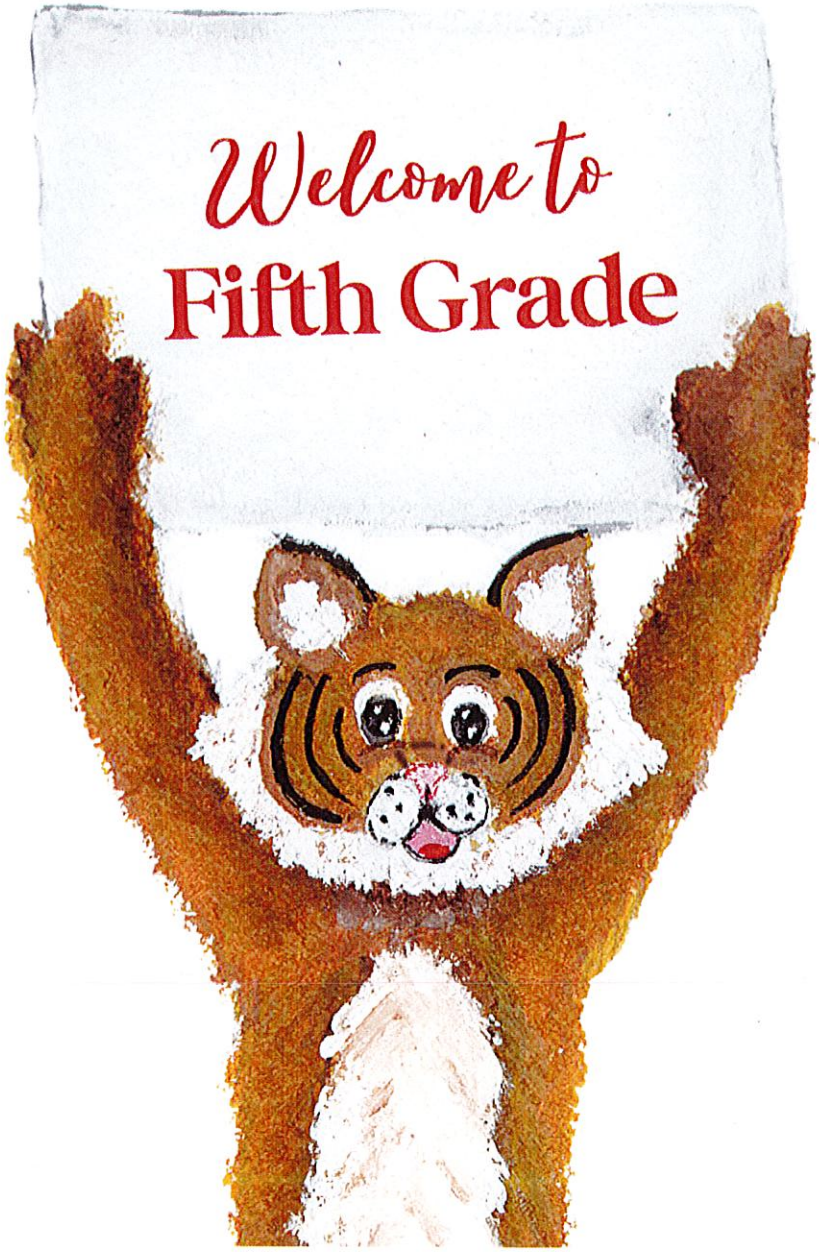
SCIENTIA FIDES AMICITIA

TRINITY

Summer Practice Notebook



Name_____ Summer Math Practice
Date _____ Rising 5th Graders

Complete all math problems on these practice sheets neatly. Staple the sheets in order, and bring this math packet on the first day of school. CAREFULLY follow the example for each concept. This will be taken as a grade.

Place Value

Write the value of the underlined digit.

1) 49<u>8</u> 8 2) <u>6</u>7,238 _____ 3) 3<u>0</u>,450 _____

4) 35<u>8</u>,499,927 _____ 5) 22<u>9</u>,922,292,929 _____

Write the following numbers in expanded form.

1) 36,729 30,000 + 6,000 + 700 + 20 + 9

2) 255,006 _____

3) 3,330,303 _____

_____

Write the following numbers in word form.

1) 562 five hundred sixty-two

2) 40,026 _____

3) 8,064,002 _____

_____

Write the following numbers in standard form.

1) 500,000 + 2,000 + 400 + 50 + 2 502,452

2) 80,000,000 + 2,000,000 + 900 + 40 + 4 _____

3) twenty-five thousand, four hundred sixty-two _____

4) two hundred fifty million, three thousand, eighty-six
_____

Compare the following numbers. Write <, >, or = in the blanks.

1) 5,124 __>__ 5,024 2) 9,991 _____ 9,992

3) 2,502,502 _____ 2,520,502 4) 56,498,984 _____ 56,498,983

5) 607,589,003,611 _____ 606,589,003,611

Order the following numbers from greatest to least by writing the number order above the numbers with 1 being the greatest.

1) 3 1 2
24,068 24,860 24,680

2) _____ _____ _____
595,602 595,603 596,602

3) _____ _____ _____ _____
27,468,904 7,468,409 7,486,904 77,468,904

Rounding and Estimating
Round each number to the place of the underlined digit.

1) 45,681 45,700 2) 274,532 _____

3) 5,361,213 _____ 4) 22,868 _____

5) 6,051,697 _____ 6) 561,434 _____

Using the number 3,906,435, round to each place named.

1) millions 4,000,000

2) tens _____

3) hundred thousands _____

4) hundreds _____

Round to the greatest place value to estimate the sum or difference. Write the rounded problem and estimate in the space to the right of each problem. Watch the + and - signs!

1) 582,369 600,000
+ 443,112 400,000
1,000,000

2) 3,213,716
+ 4,632,239

3) 618,936
+ 414,694

4) 53,612
- 3,502

5) 892,015
- 14,613

6) 527,312
- 394,617

Addition - Find the sums.

1) 1 1 1
96,260
+ 5,779
102,039

2) 842,631
+ 49,059

3) 837,450
+ 234,684

4) 6,392,533
+ 2,139,747

5) 5,672
309
+ 985

6) 22,480
5,992
+ 208

Subtraction - Find the differences.

1) 46,962 (512)
- 45,228
1,734

2) 564,097
- 88,632

3) 791,000
- 325,084

4) 692,533
- 239,747

5) 9,602,066
- 3,504,582

6) 8,308,004
- 2,809,622

Rounding and Estimating in Multiplication
Round to the greatest place value, and estimate the product. Use the space to the right of the problem to write the rounded problem and multiply to estimate the product. You DO NOT need to find the exact products!!

1) 378 -> 400
x 2 x 2
800

2) 986
x 5

3) 5,235
x 49

4) 38,650
x 82

5) 694,899
x 45

Multiplication - Find the products.

1) 801
x 3
2,403

2) 2,105
x 5

3) 5,089
x 7

4) 71
x 23
+

5) 706
x 44
+

6) 9,516
x 25
+

Division - Find the quotients.
Be careful to keep your numbers lined up!

1) 2 ⟌ 406
203
4↓
00
-0↓
06
-6
0

2) 6 ⟌ 206

3) 8 ⟌ 488

4) 5 ⟌ 503

5) 6 ⟌ 905

6) 8 ⟌ 5,624

Problem Solving
Use addition, subtraction, multiplication, and division. Solve each problem. Please show your work.

1) Wet Pets had 235 clown fish, 483 angel fish, and 746 tiger fish. How many fish were there in all?

1,464 fish

$$\begin{array}{r} {\scriptstyle 1\,1} \\ 235 \\ 483 \\ +\,746 \\ \hline 1,464 \end{array}$$

2) Mary had 5,239 marbles. She gave 472 marbles to Fred. How many marbles did Mary have left?

3) A shipping company packs 16 boxes of candy per shipping box. How many boxes of candy are shipped in 35 shipping boxes?

4) Jane, Susan, and Joy want an equal share of pencils that their teacher is giving away. If the teacher is giving away 556 pencils, how many pencils will they each get? Will there be any pencils left over?

5) Students attend school 36 weeks per year. How many weeks per year are students on vacation?

6) If students attend school 36 weeks per year, how many school days is that?

Equivalent fractions, Simplest Form, Improper & Mixed Numbers

Write the equivalent fractions.

1) $\frac{5}{9} = \frac{25 \div 5}{45 \div 5}$ 2) $\frac{48}{} = \frac{6}{7}$ 3) $\frac{3}{10} = \frac{30}{}$ 4) $\frac{8}{16} = \frac{}{4}$

5) $\frac{27}{} = \frac{9}{11}$ 6) $\frac{18}{27} = \frac{2}{}$ 7) $\frac{}{3} = \frac{10}{15}$ 8) $\frac{5}{9} = \frac{50}{}$

Write the fractions in simplest form.

1) $\frac{12}{18} = \frac{6 \div 6}{6 \div 3} = \frac{2}{3}$ 2) $\frac{9}{21} =$ 3) $\frac{21}{35} =$ 4) $\frac{16}{28} =$

5) $\frac{18}{81} =$ 6) $\frac{6}{42} =$ 7) $\frac{54}{63} =$ 8) $\frac{25}{75} =$

Write the mixed numbers as improper fractions.

1) $10 \frac{3}{4} = \frac{43}{4}$ (×4, +3) 2) $11 \frac{4}{5} =$ 3) $7 \frac{3}{9} =$ 4) $9 \frac{2}{3} =$

5) $11 \frac{4}{8} =$ 6) $8 \frac{3}{7} =$ 7) $5 \frac{3}{7} =$ 8) $3 \frac{7}{10} =$

Write the improper fractions as mixed numbers.

1) $\frac{57}{9} = 6\frac{3}{9} = 6\frac{1}{3}$

2) $\frac{77}{10} =$

3) $\frac{67}{8} =$

4) $\frac{25}{4} =$

5) $\frac{48}{5} =$

6) $\frac{82}{11} =$

7) $\frac{75}{9} =$

8) $\frac{64}{7} =$

Fractions with Like Denominators

Add Fractions with Like Denominators. Simplify the answers.

1) $\frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$

2) $\frac{3}{6} + \frac{2}{6}$

3) $\frac{6}{10} + \frac{3}{10}$

4) $\frac{6}{12} + \frac{2}{12}$

Subtract Fractions with Like Denominators. Simplify the answers.

9) $\frac{7}{9} - \frac{5}{9} = \frac{2}{9}$

10) $\frac{5}{10} - \frac{3}{10}$

11) $\frac{15}{20} - \frac{5}{20}$

12) $\frac{12}{13} - \frac{9}{13}$

Hooray! You made it! I look forward to seeing you on the first day of school!

Ms. Hill