

5th grade → 6th grade

GM
~~SC~~

WEEK 1

SHOW ALL WORK!

Multiply.

1. $\frac{3}{5} \times \frac{1}{2}$

2. $6 \times \frac{2}{11}$

3. $\frac{2}{3} \times \frac{7}{10}$

Divide.

4. $9 \div \frac{3}{5}$

5. $\frac{3}{10} \div \frac{3}{5}$

6. $6\frac{1}{8} \div 1\frac{3}{4}$

Write whether each number is PRIME or COMPOSITE.

7. 43

8. 39

9. 101

10. Ms. TAYLOR paid \$133.65 for 27 identical boxes of school supplies. How much did she pay for each box of supplies?

1. Solve each problem. Connect the dots!

$$\begin{array}{r} \frac{13}{7} \\ - \frac{6}{7} \\ \hline \end{array} \bullet$$

$$2\frac{1}{2} \div \frac{5}{6} \bullet$$

$$\frac{3}{4} \div \frac{3}{8} \bullet$$

$$6 \div \frac{3}{5} \bullet$$

$$15 \div \frac{2}{3} \bullet$$



$$\begin{array}{r} 2\frac{1}{5} \\ + 1\frac{4}{5} \\ \hline \end{array} \bullet$$

$$\bullet 24 \times \frac{1}{3}$$

$$\bullet 14 \times \frac{3}{7}$$

$$\bullet 12 \times \frac{5}{12}$$

$$\bullet \frac{1}{3} \times 5\frac{1}{4}$$

2. Create your own connect the dot picture with math problems! Make an answer sheet.

Find the GCF (Greatest Common Factor) of each set of numbers.

1. 45 and 60

2. 24 and 40

3. 7, 35 and 49

Find the LCD (Least Common Denominator) of each set of fractions.

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

5. $\frac{5}{6}, \frac{5}{8}$

6. $\frac{1}{3}, \frac{5}{6},$ and $\frac{7}{12}$

Write as a whole or mixed number in simplest form.

7. $\frac{11}{6}$

8. $\frac{24}{5}$

9. $\frac{36}{9}$

10. Eighteen of the 24 stamps in Ben's collection are foreign. Write a fraction in lowest terms to show what fractional part of the stamps in Ben's collection are foreign.

WEEK 5

SHOW ALL WORK!!!

Add.

$$\begin{array}{r} 1. \quad \frac{2}{3} \\ + \frac{1}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad \frac{2}{5} \\ + \frac{3}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad \frac{1}{3} \\ + \frac{5}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 1. \quad 3\frac{4}{11} \\ + 2\frac{1}{11} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 8\frac{5}{12} \\ + 9\frac{1}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 6\frac{3}{7} \\ 3\frac{1}{7} \\ + 2\frac{2}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 4\frac{3}{4} \\ + 2\frac{7}{20} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 8\frac{5}{6} \\ + 2\frac{5}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 7\frac{5}{9} \\ + 4\frac{8}{18} \\ \hline \end{array}$$

10. A $10\frac{1}{2}$ ft ladder has a $4\frac{3}{4}$ ft extension. What is the height of the ladder when totally extended?

NUMBER STORIES

Read the short story "The Loneliest Number:
An ADDITION story."

Then, write your own graphic tale that tells the story of a mathematical function. (Graphic means written with pictures AND words!)

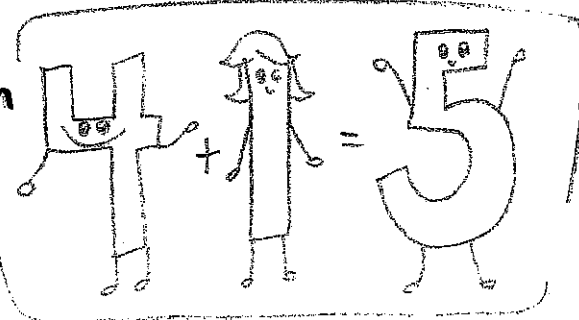
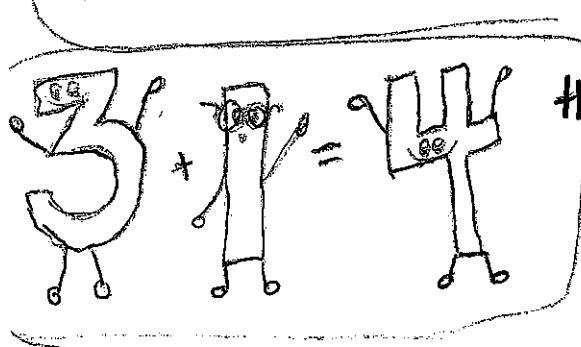
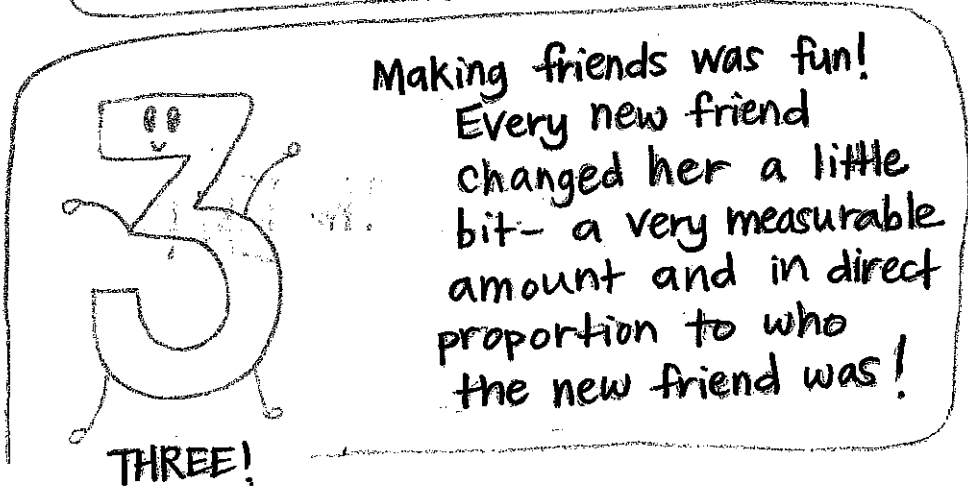
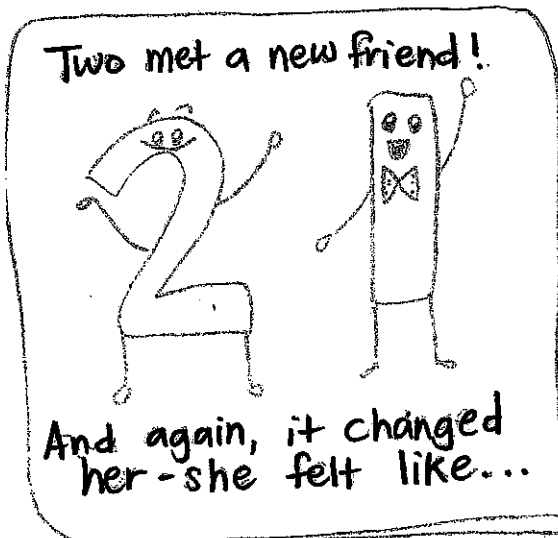
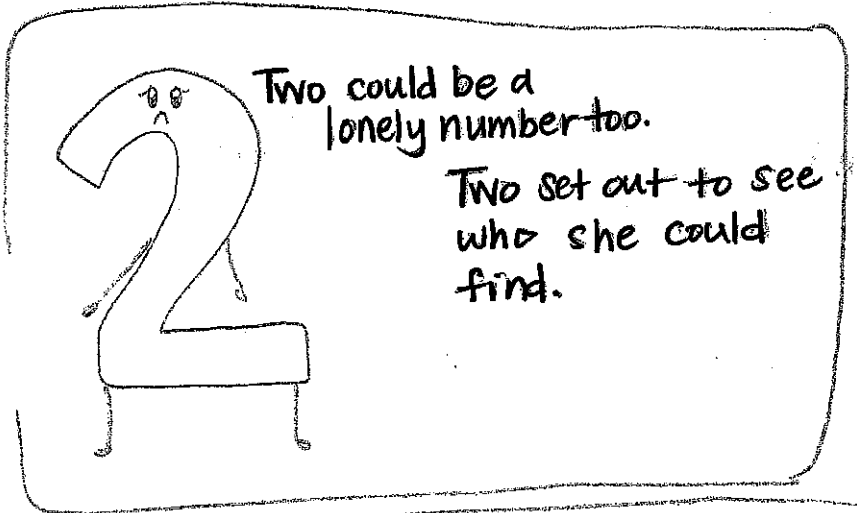
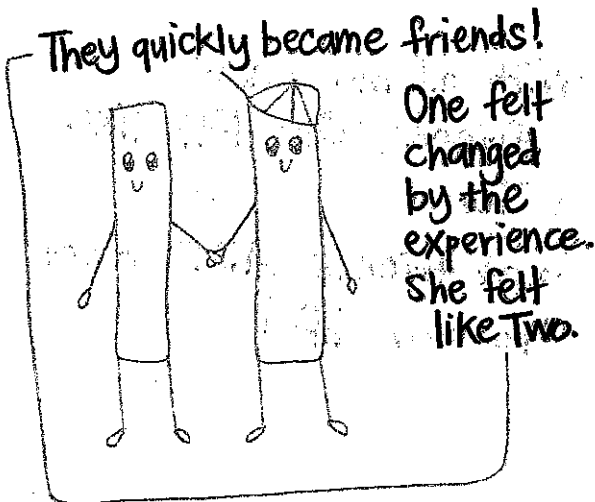
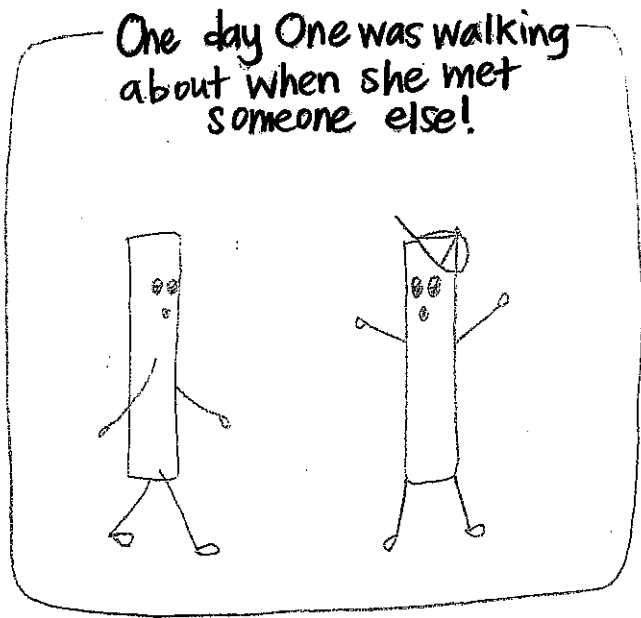
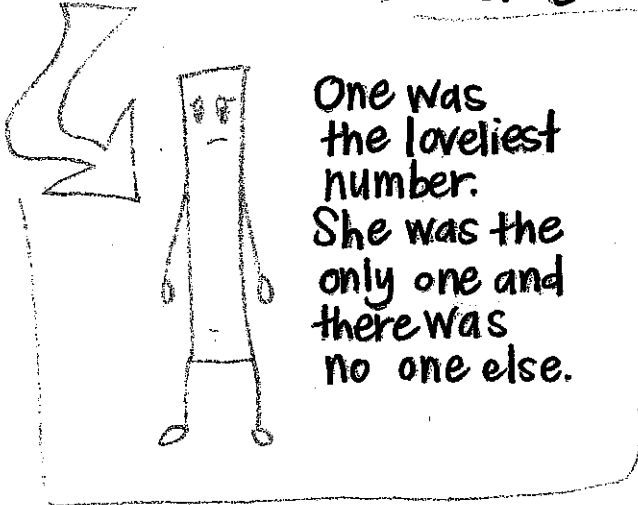
List the different mathematical functions:

Choose one to showcase in your story.

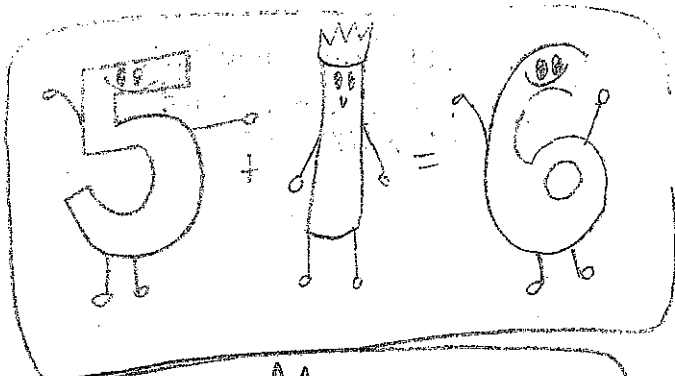
Make sure your story has a beginning, middle and an end.

Have fun!

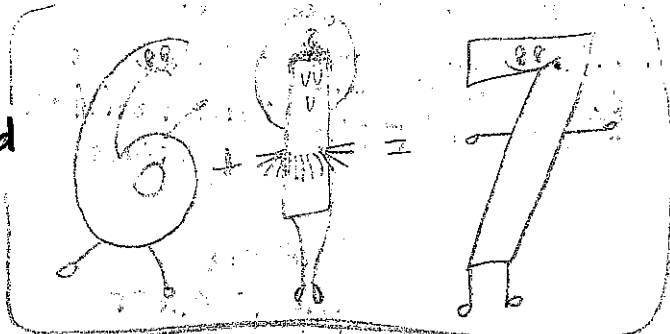
THE LONELIEST #NUMBER : An Addition Story



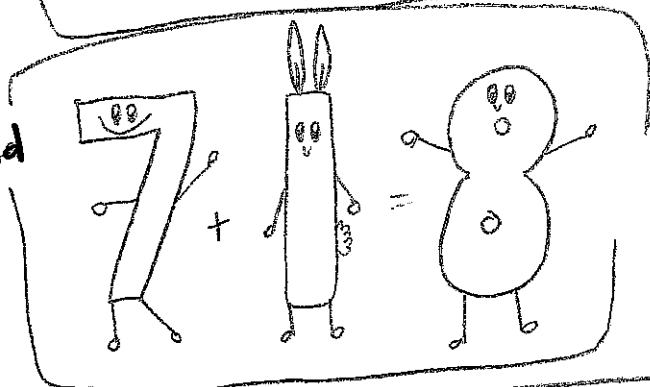
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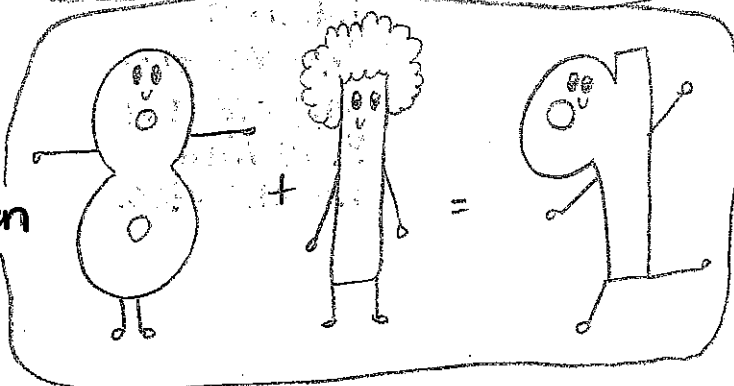
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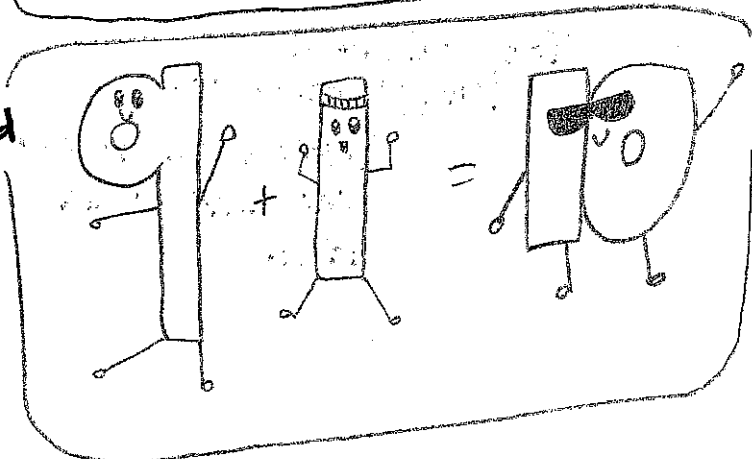
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then



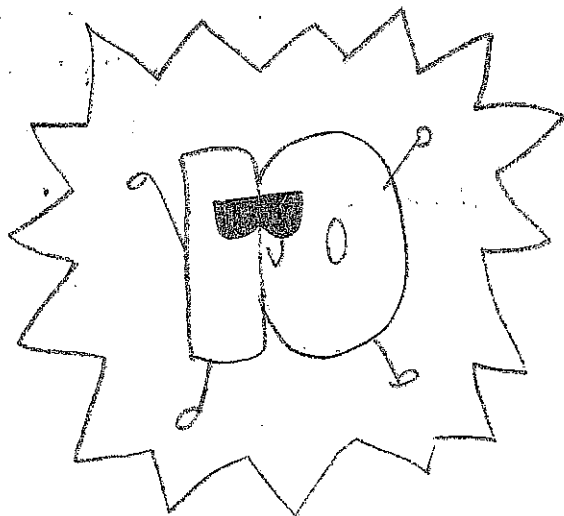
and



With all these new friends, One felt like a Ten.

Good friends ADD a lot to your life!

The END



WEEK 4 | SHOW ALL WORK!

Subtract.

$$1. \frac{19}{12} - \frac{7}{12}$$

$$2. \begin{array}{r} \frac{10}{12} \\ - \frac{8}{12} \\ \hline \end{array}$$

$$3. \begin{array}{r} \frac{18}{20} \\ - \frac{4}{20} \\ \hline \end{array}$$

Find the value of n .

$$4. \frac{3}{11} + \frac{n}{11} = \frac{7}{11}$$

$$5. \frac{3}{9} + \frac{n}{9} = \frac{5}{9}$$

$$6. \frac{6}{21} + \frac{n}{21} = \frac{8}{21}$$

$$7. \frac{8}{25} + \frac{n}{25} = \frac{18}{25}$$

Subtract.

$$8. \begin{array}{r} \frac{2}{3} \\ - \frac{7}{24} \\ \hline \end{array}$$

$$9. \begin{array}{r} \frac{6}{7} \\ - \frac{5}{21} \\ \hline \end{array}$$

Solve.

10. Juan ran $\frac{6}{8}$ of a mile and Charles ran $\frac{1}{4}$ of a mile. How much farther did Juan run than Charles?

WEEK 5 SHOW ALL WORK!

MULTIPLY.

1. 8×50

2. 30×5

3. 9×90

4. A movie theater in a shopping center has 40 rows of seats with 9 seats in each row. How many people in all can the movie theater seat?

5. 1109

$$\begin{array}{r} 1109 \\ \times 3 \\ \hline \end{array}$$

6. 4009

$$\begin{array}{r} 4009 \\ \times 5 \\ \hline \end{array}$$

7. $83,600$

$$\begin{array}{r} 83,600 \\ \times 3 \\ \hline \end{array}$$

8. 62

$$\begin{array}{r} 62 \\ \times 18 \\ \hline \end{array}$$

9. 620

$$\begin{array}{r} 620 \\ \times 44 \\ \hline \end{array}$$

10. 6927

$$\begin{array}{r} 6927 \\ \times 67 \\ \hline \end{array}$$

Math Journal

MATH is all around you EVERYDAY: there are geometric shapes and angles; counting various objects; functions we use in interactions with other people.

For the next two weeks, keep a log of at least ONE math experience per day.

Describe the experience and explain the math involved. Feel free to include a photo or drawing!

I ♥ MATH.

WEEK 6 SHOW ALL WORK!

1. $3 \overline{)372}$

2. $7 \overline{)917}$

3. $2 \overline{)295}$

4. $5 \overline{)34,061}$

5. $5 \overline{)42,736}$

6. Ms. Fox needs to put 1032 books on shelves. If a shelf holds 8 books, what is the least number of shelves Ms. Fox needs?

7. $4 \overline{)830}$

8. $9 \overline{)927}$

9. $5 \overline{)25,065}$

10. $12 \overline{)10,512}$

WEEK 7 SHOW ALL WORK!

Solve.

1. $4 - 9 \div 3 - 1$

2. $(3 \times 7) + (64 \div 8)$

3. $18 \times (11 - 6)$

4. $(35 \div 5) \times 2 + 3 \times 6$

5. $(28 \div 7) + 5 - 3 + (7 \times 2)$

6. $10 \times 4 + (49 \div 7) \times 2$

7. $4 + (29 - 2) \div 9 + (16 \div 2)$

8. $(28 + n) \times 4$ when $n = 32$

9. $(9 \times 8) - (n \times 6)$ when $n = 3$

10. $(12 + 72) \div n$ when $n = 6$



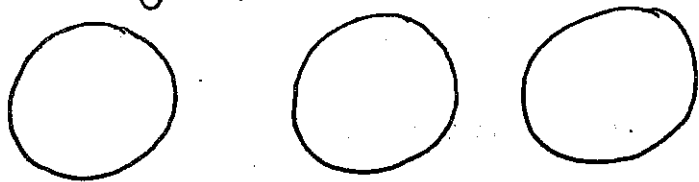
parent/guardian to help

that you LOVE - maybe
food or a family traditional
& how many people it serves.

WEEK 8

SHOW all WORK!

1. How many eighths are in 3? Complete the diagram to solve.



2. Write a number sentence to describe the diagram in #1.

3. How many $\frac{2}{3}$ s are in 2?



Use the diagram to solve. Write a number sentence.

4. How many fourths are in 2? How do you know?

5. How many halves are in 4? How do you know?

6. How many $\frac{1}{6}$ s are in $\frac{1}{3}$? 7. How many $\frac{1}{10}$ s are in $\frac{2}{5}$?

8. When you divide a whole number by a fraction, how does the quotient compare with the whole number?

9. Explain WHY for #8.

1] SHOW all WORK!

LOCAL?

of each number.

4. $\frac{5}{8}$

5. $\frac{9}{2}$

6. $6\frac{3}{5}$

8. $7 \div \frac{4}{5}$

9. $5 \div \frac{4}{9}$

greater?

$$\frac{3}{10}$$

less?

WEEK 10 | SHOW all WORK!

Multiply.

1. 5×6

2. 4×8

3. 7×7

4. 9×5

Divide.

5. $12 \div 4$

6. $27 \div 9$

7. $40 \div 8$

8. $63 \div 7$

Write each fraction in lowest terms.

9. $\frac{30}{40}$

10. $\frac{28}{35}$

11. $\frac{34}{51}$

12. $\frac{33}{36}$

Write as a whole number or mixed number.

13. $\frac{10}{9}$

14. $\frac{42}{10}$

15. $\frac{75}{9}$

