

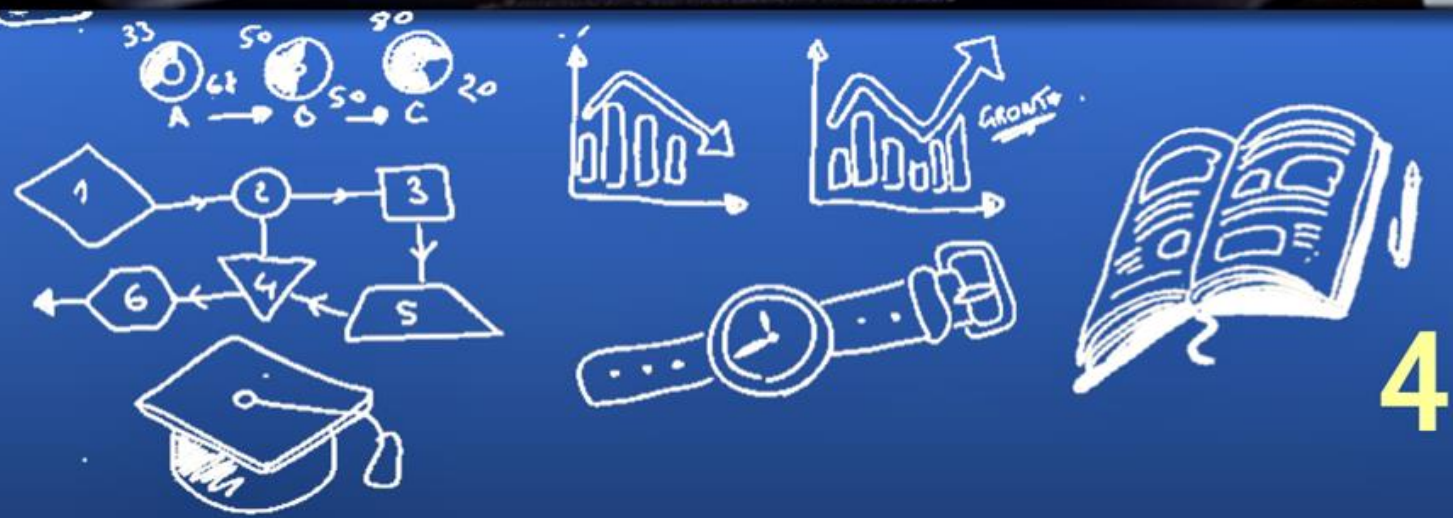


A STEM SCHOOL
FROEBEL BILINGUAL SCHOOL
HOME OF THE SPACE GENERATION

MATH SKILLS SHARPENERS



MATH SUMMER WORKBOOK



A STEM School

FROEBEL
BILINGUAL SCHOOL

Home of the Space Generation



2024 SUMMER MATH SKILLS SHARPENER Going to Fourth Grade

STUDENT'S NAME	DATE
TEACHER COMING FROM	SCORE
TEACHER GOING TO	
PARENT'S SIGNATURE	DATE RECEIVED

SKILLS SHARPENER FOR STUDENTS GOING TO FOURTH SCHOOL GRADE MATH

WEEK 1.

Day 1- Place Value-

Thousands	Hundreds	Tens	Ones
1	5	7	9

A.

- a. The digit 5 stands for _____.
- b. The digit 9 stands for _____.
- c. The digit 1 stands for _____.
- d. The digit 7 stands for _____.

B.

- a. The digit in the **thousands** place is _____.
- b. The digit in the **tens** place is _____.
- c. The digit in the **hundreds** place is _____.
- d. The digit in the **ones** place is _____.

Day 2- Add-

- a. $8000 + 300 + 20 + 2 =$ _____
- b. $2000 + 300 + 30 =$ _____
- c. $5000 + 60 + 1 =$ _____
- d. $1000 + 6 =$ _____
- e. $9000 + 80 =$ _____

Day 3 – Write the numbers in words

- a. 2,811 _____
- b. 8,689 _____
- c. 8,655 _____
- d. 3,652 _____
- e. 7,309 _____
- f. 9, 001 _____

Day 4 – Write the numbers

- a. five thousand, four hundred ninety-six _____
- b. three thousand, seventy-two _____
- c. five thousand, two hundred one _____
- d. eight thousand, nine hundred ninety-one _____
- e. two thousand, nine hundred eighty-three _____
- f. four thousand _____

WEEK 2.

Day 1- Add

$$\begin{array}{r} 220 \\ +709 \\ \hline \end{array}$$

$$\begin{array}{r} 322 \\ +676 \\ \hline \end{array}$$

$$\begin{array}{r} 410 \\ +343 \\ \hline \end{array}$$

$$\begin{array}{r} 3293 \\ +6204 \\ \hline \end{array}$$

Day 2- Add

$$\begin{array}{r} 7908 \\ +1324 \\ \hline \end{array}$$

$$\begin{array}{r} 4293 \\ +3742 \\ \hline \end{array}$$

$$\begin{array}{r} 2975 \\ +1065 \\ \hline \end{array}$$

$$\begin{array}{r} 5492 \\ +2458 \\ \hline \end{array}$$

$$\begin{array}{r} 384 \\ +860 \\ \hline \end{array}$$

$$\begin{array}{r} 648 \\ +686 \\ \hline \end{array}$$

$$\begin{array}{r} 413 \\ +23 \\ \hline \end{array}$$

$$\begin{array}{r} 856 \\ +152 \\ \hline \end{array}$$

Day 3 - Subtract

$$\begin{array}{r} 887 \\ -777 \\ \hline \end{array}$$

$$\begin{array}{r} 775 \\ -210 \\ \hline \end{array}$$

$$\begin{array}{r} 550 \\ -235 \\ \hline \end{array}$$

$$\begin{array}{r} 9962 \\ -6660 \\ \hline \end{array}$$

$$\begin{array}{r} 4387 \\ -3359 \\ \hline \end{array}$$

Day 4 - Subtract

$$\begin{array}{r} 145 \\ -24 \\ \hline \end{array}$$

$$\begin{array}{r} 627 \\ -38 \\ \hline \end{array}$$

$$\begin{array}{r} 393 \\ -172 \\ \hline \end{array}$$

$$\begin{array}{r} 4146 \\ -833 \\ \hline \end{array}$$

$$\begin{array}{r} 2752 \\ -1491 \\ \hline \end{array}$$

WEEK 3.

Day 1- Word problem: Add or subtract.

- a. There were 1643 boys and 2175 girls at the movies.
How many more girls than boys were there at the movies?

Day 2- Word problem: Add or subtract.

- a. Mary had 285 books on her bookshelf.
She received 95 books for her birthday.
How many books did she have altogether?

Day 3 – Word problem: Add or subtract.

- a. Mrs. Smith made 150 cupcakes for a birthday party.
After the party, there were 16 cupcakes left.
How many cupcakes were eaten at the party?

Day 4- Word problem: Add or subtract.

- a. David read 532 pages on Monday.
Then he read 64 pages on Tuesday.
How many pages did he read altogether?

WEEK 4.

Day 1- Word Problems: Multiply or divide

Sam had \$18. He bought 2 toy cars. Each toy car cost \$7.
How much did he pay for the toy cars?

He paid \$ _____ for the toy cars.

Day 2- Word problem: Multiply or divide.

Ari bought 16 pastries. He put all the pastries equally in
2 boxes. How many pastries did he put in each box?

He put _____ pastries in each box.

Day 3 – Word problem: Multiply or divide.

Rita had 20 beads. She put 2 beads on each string.

How many strings did she use?

She used _____ strings.

Day 4- Word problem: Multiply or divide.

Ben has 9 stickers. Bob has 3 times as many stickers as Ben.

How many stickers does Bob have?

Bob has _____ stickers.

WEEK 5.

Day 1- Multiply

a. $2 \times 5 =$ _____

d. $10 \times 9 =$ _____

g. $10 \times 5 =$ _____

b. $5 \times 5 =$ _____

e. $3 \times 3 =$ _____

h. $6 \times 1 =$ _____

c. $10 \times 6 =$ _____

f. $4 \times 9 =$ _____

Day 2- Multiply

a. $5 \times 3 =$ _____

d. $4 \times 2 =$ _____

g. $9 \times 7 =$ _____

b. $7 \times 0 =$ _____

e. $4 \times 6 =$ _____

h. $5 \times 9 =$ _____

c. $8 \times 1 =$ _____

f. $6 \times 6 =$ _____

Day 3- Divide

a. $12 \div 6 =$ _____

d. $18 \div 2 =$ _____

g. $18 \div 3 =$ _____

b. $30 \div 5 =$ _____

e. $21 \div 3 =$ _____

h. $24 \div 6 =$ _____

c. $21 \div 7 =$ _____

f. $30 \div 6 =$ _____

Day 4- Divide

a. $54 \div 9 =$ _____

d. $30 \div 6 =$ _____

g. $49 \div 7 =$ _____

b. $25 \div 5 =$ _____

e. $12 \div 2 =$ _____


h. $36 \div 9 =$ _____























c. $24 \div 8 =$ _____

f. $24 \div 4 =$ _____

WEEK 6.

Day 1- Use the pictograph to answer the questions

The graph shows the pies sold at a store in a week. Each  represents 5 pies.

Monday							
Tuesday							
Wednesday							
Thursday							
Friday							
Saturday							

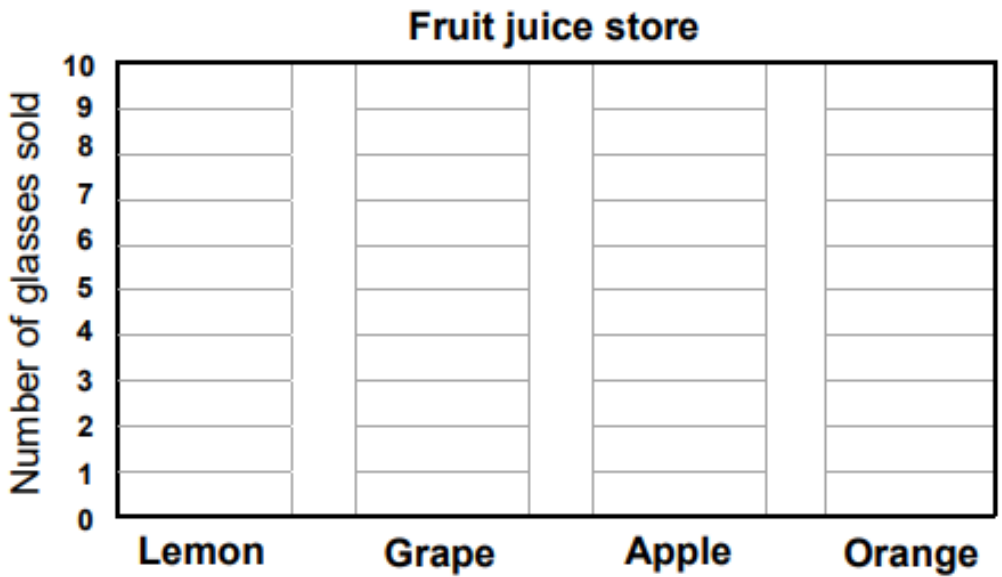
- a. How many pies were sold on Thursday? _____
- b. Which day were the most pies sold? _____
- c. How many pies were sold on that day? _____
- d. How many more pies were sold on Tuesday than Wednesday?
- e. How many pies were sold in total that week? _____

Day 2- Bar graph

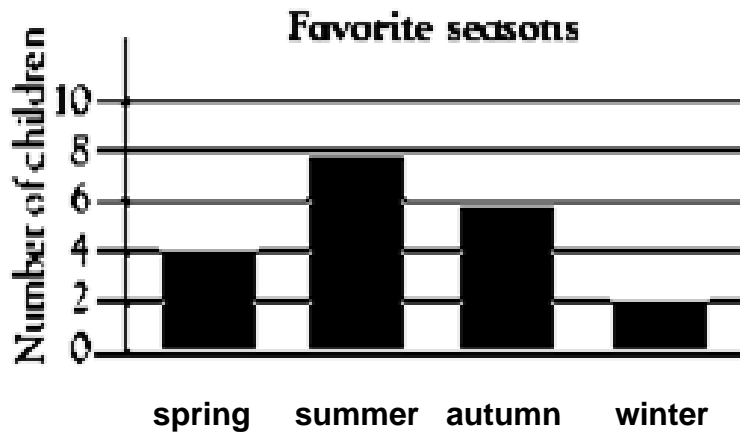
Create a bar graph and answer the questions.

Fruit juice cups sold:

Fruit juice	Lemon	Grape	Apple	Orange
Number of cups sold	7	10	9	8



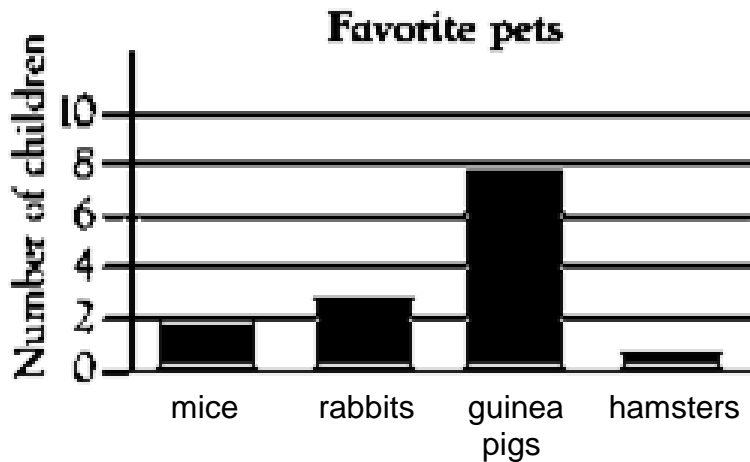
- a. What juice sold the most? _____
- b. Which juice sold the least? _____
- c. How many cups of apple juice were sold? _____
- d. How many more glasses of grape juice were sold than the lemon juice? _____
- e. How many cups of orange and apple juice together were sold? _____
- f. How many cups were sold in all? _____



Day 3 – Answer the questions using the bar graph.

- How many children liked autumn best?
- How many children liked spring best?
- How many children liked winter best?
- How many children liked summer best?
- How many children were asked which season they liked best?
- Which season was liked the most?
- Which season did two children like?

Day 4- Answer the questions using the bar graph.

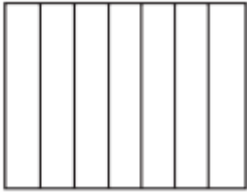


- How many children liked guinea pigs best?
- How many children liked hamsters best?
- How many children liked rabbits best?
- How many children liked mice best?
- How many children were asked which animals they liked best?
- Which animal was liked the most?
- Which animal did three children like?

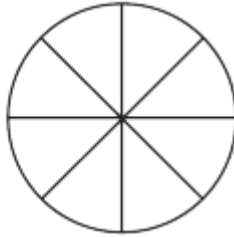
WEEK 7.

Day 1- Fractions: Color the shape to show the fraction.

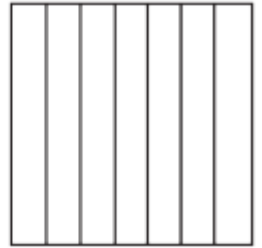
$$\frac{4}{7} =$$



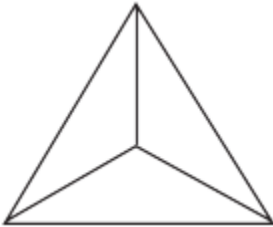
$$\frac{2}{8} =$$



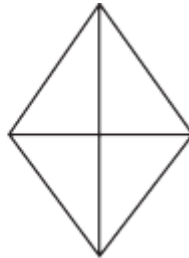
$$\frac{3}{7} =$$



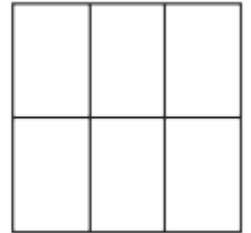
$$\frac{2}{3} =$$



$$\frac{3}{4} =$$



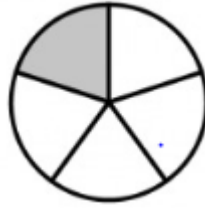
$$\frac{3}{6} =$$

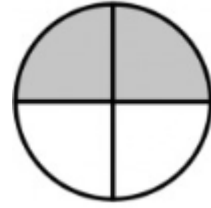


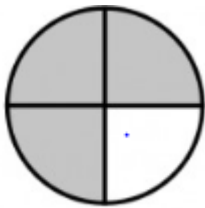
Day 2- Write the fraction that shows the shaded part.



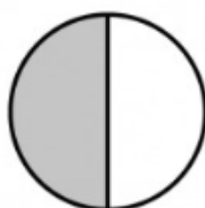






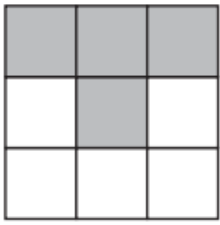


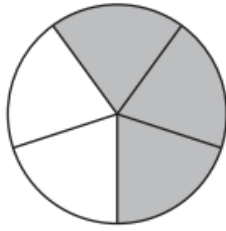


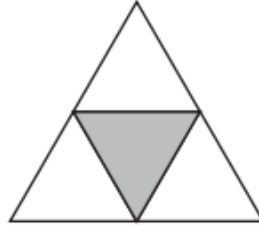


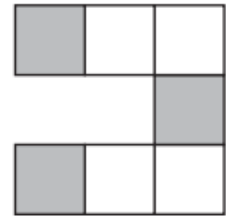


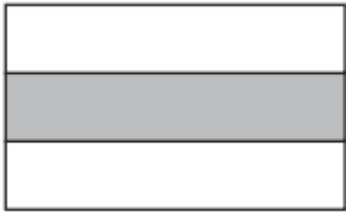
Day 3 - What part of the fraction is not shaded?

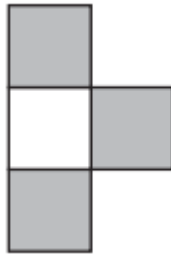


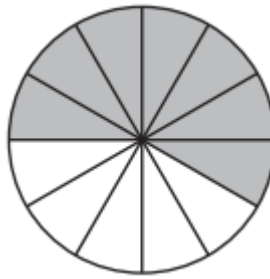


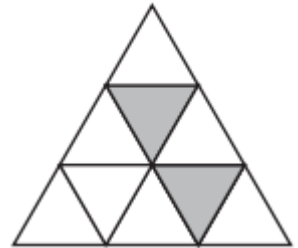












Day 4- Write the fraction to equal a whole.

$$\frac{5}{8} + \frac{\quad}{\quad} = \frac{8}{8} = 1$$

$$\frac{2}{10} + \frac{\quad}{\quad} = \frac{10}{10} = 1$$

$$\frac{2}{5} + \frac{\quad}{\quad} = \frac{5}{5} = 1$$

$$\frac{7}{16} + \frac{\quad}{\quad} = \frac{16}{16} = 1$$

$$\frac{5}{9} + \frac{\quad}{\quad} = \frac{9}{9} = 1$$

$$\frac{3}{7} + \frac{\quad}{\quad} = \frac{7}{7} = 1$$

WEEK 8.

Day 1- Add the following fractions.

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

$$\frac{7}{10} + \frac{2}{10} =$$

$$\frac{4}{8} + \frac{3}{8} =$$

$$\frac{5}{12} + \frac{5}{12} =$$

$$\frac{1}{5} + \frac{3}{5} =$$

$$\frac{4}{6} + \frac{1}{6} =$$

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

$$\frac{3}{7} + \frac{2}{7} =$$

Day 2- Add the following fractions.

$$\frac{3}{16} + \frac{1}{16} =$$

$$\frac{6}{11} + \frac{2}{11} =$$

$$\frac{5}{14} + \frac{7}{14} =$$

$$\frac{8}{16} + \frac{2}{16} =$$

$$\frac{3}{4} + \frac{1}{4} =$$

$$\frac{7}{10} + \frac{2}{10} =$$

$$\frac{4}{8} + \frac{3}{8} =$$

$$\frac{5}{12} + \frac{5}{12} =$$

Day 3 – Subtract the following fractions.

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

$$\frac{7}{10} - \frac{2}{10} =$$

$$\frac{4}{8} - \frac{3}{8} =$$

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

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

$$\frac{4}{6} - \frac{1}{6} =$$

$$\frac{5}{9} - \frac{3}{9} =$$

$$\frac{6}{7} - \frac{2}{7} =$$

Day 4- Subtract the following fractions.

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

$$\frac{7}{11} - \frac{4}{11} =$$

$$\frac{10}{16} - \frac{7}{16} =$$

$$\frac{12}{14} - \frac{7}{14} =$$

$$\frac{15}{20} - \frac{8}{20} =$$

$$\frac{5}{6} - \frac{2}{6} =$$

$$\frac{6}{9} - \frac{4}{9} =$$

$$\frac{5}{7} - \frac{4}{7} =$$

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