

$\frac{104 \times 5 + 8}{2} = 257.5$ a stem school

$0.9 + = 97 \text{ mo } 1$
 $117.24 \text{ me } 270$
 $117.24 - 117.27 = -0.03$

$\frac{1.28}{1.28} = 1$
 $1.28 - 1 = 0.28$

math skills sharpeners

2025 summer math workbook

A STEM School



2025 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 FOURTH 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.

- b. 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.

- c. 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.

- d. 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. $49 \div 7 =$ _____

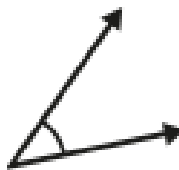
b. $25 \div 5 =$ _____
e. $12 \div 2 =$ _____
h. $36 \div 9 =$ _____

c. $24 \div 8 =$ _____
f. $24 \div 4 =$ _____

WEEK 6.

Day 1- Angles

Identify the following angles as: acute, obtuse, right angle, or reflex.

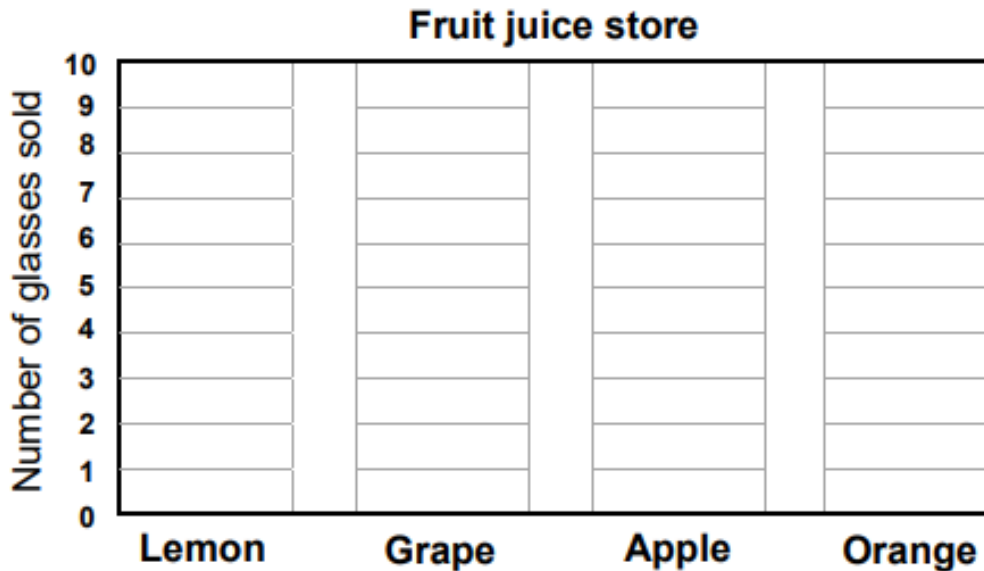


Day 2- Bar graph

Create a bar graph and answer the questions.

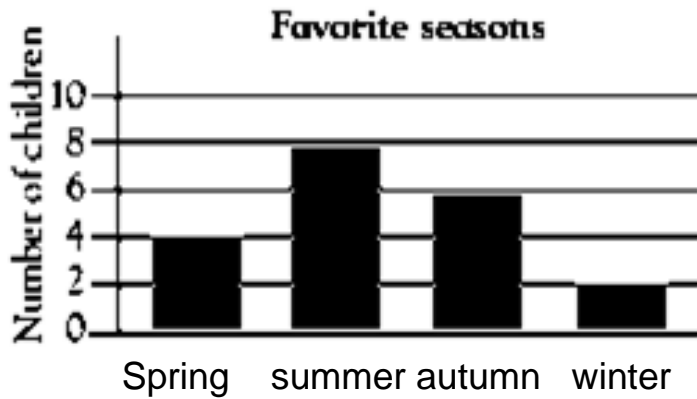
Fruit juice cups sold:

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



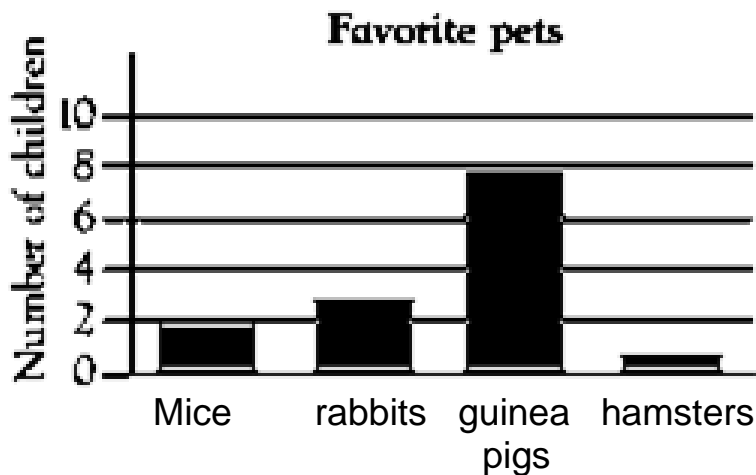
- What juice sold the most? _____
- Which juice sold the least? _____
- How many cups of apple juice were sold? _____
- How many more glasses of grape juice were sold than the lemon juice? _____
- How many cups of orange and apple juice together were sold? _____
- How many cups were sold in all? _____

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.

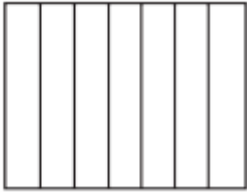


- How many children liked guinea pigs best?
- How many children liked hamsters best?
- How many children liked rabbits best?
- How many children liked mice best?
- How many children were asked which animals they liked best?
- Which animal was liked the most?
- Which animal did three children like?

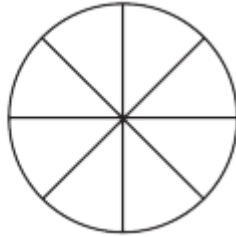
WEEK 7.

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

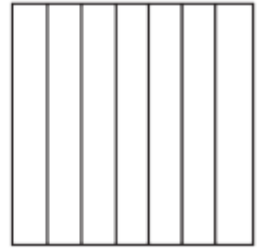
$$\frac{4}{7} =$$



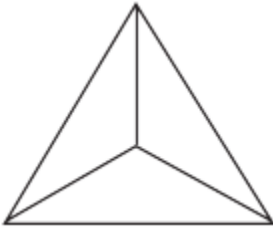
$$\frac{2}{8} =$$



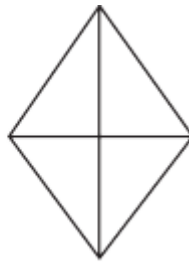
$$\frac{3}{7} =$$



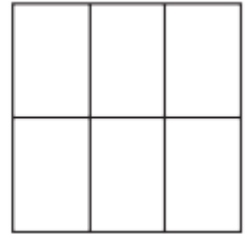
$$\frac{2}{3} =$$



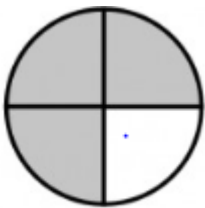
$$\frac{3}{4} =$$

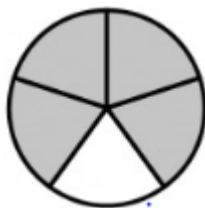


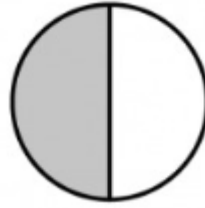
$$\frac{3}{6} =$$

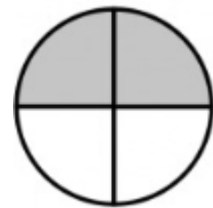


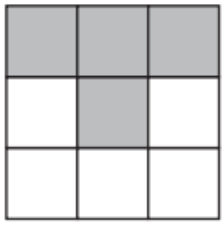
Day 2- Write the fraction that shows the shaded part.

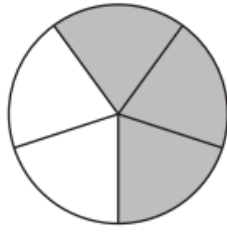


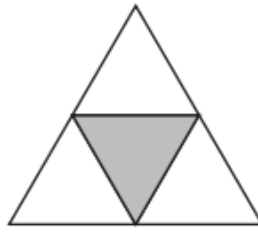


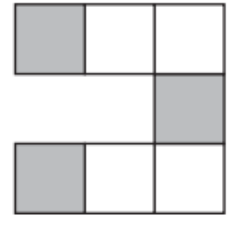






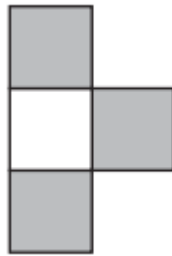


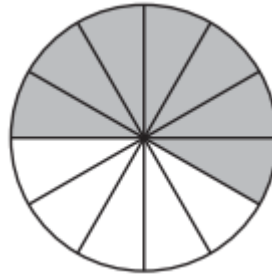


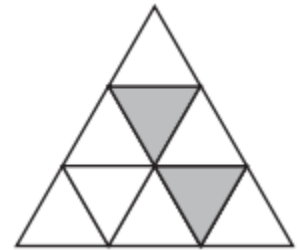


Day 3 - What part of the fraction is not shaded?









Day 4- Write the fraction to equal a whole.

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

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

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

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

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

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

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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