



2018 SUMMER
Mathematic
SKILLS SHARPENER
GOING TO FIFTH GRADE

CELEBRATING 36 YEARS OF BUILDING THE FUTURE OF OUR YOUTH!



2018 SUMMER Mathematics

SKILLS SHARPENER GOING TO FIFTH GRADE

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

SKILLS SHARPENER GOING TO FIFTH GRADE

SCORE - ___/___

WEEK I. MATH

Place value



Day 1

Write the following in figures

- a) Eight thousand, seven hundred, ninety-three- _____
- b) Seventy-five thousand, nine hundred, two- _____
- c) Twenty-three thousand, six hundred eighteen- _____

Write the following in words

- a) 45,023- _____
- b) 97,010- _____
- c) 9,102- _____

Day 2

Fill in the blanks

- a) $30,000 + 700 + 60 + 8 =$ _____
- b) $20,000 + 9,000 + 400 + 9 =$ _____
- c) In 63,268, the digit **6** stands for _____
- d) In 37,526, the value of digit **3** is _____
- e) _____ is 1,000 more than 98,715

Day 3

Round off to the nearest 10

- a) 47 - _____
- b) 83 - _____
- c) 142 - _____

Round off to the nearest 100

- a) 705 - _____
- b) 5,846 - _____
- c) 1,202 - _____

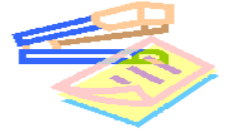
Day 4

Round off to the nearest hundred and estimate the value of the following:

- a) $792 + 204$
- b) $892 - 328$
- c) $296 + 109 + 394$
- d) $2,409 + 593 - 708$

$\square + \square = \underline{\quad}$ $\square - \square = \underline{\quad}$ $\square + \square + \square = \underline{\quad}$ $\square + \square - \square = \underline{\quad}$

WEEK II. MATH



Day 1

Find the factors for the following numbers:

- a) 20 _____
- b) 18 _____
- c) 24 _____
- d) 36 _____

Day 2

Write multiples for the following numbers:

- a) 7 _____
- b) 9 _____
- c) 12 _____
- d) 4 _____

Day 3

Multiply

347	1,198	5,383	2,532
$\times 8$	$\times 7$	$\times 4$	$\times 9$

Day 4

Divide

$8\overline{)96}$	$9\overline{)504}$	$7\overline{)4,368}$	$5\overline{)7,814}$
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WEEK III. MATH



Day 1

Multiply

$$\begin{array}{r} 55 \\ \times 28 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \times 63 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 67 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 89 \\ \hline \end{array}$$

Day 2

Multiply

$$\begin{array}{r} 582 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 859 \\ \times 64 \\ \hline \end{array}$$

$$\begin{array}{r} 727 \\ \times 63 \\ \hline \end{array}$$

$$\begin{array}{r} 853 \\ \times 54 \\ \hline \end{array}$$

Day 3

Solve:

- a) The product of 2 numbers is 216. One of the numbers is 8. What is the other number?
- b) A shopkeeper had 50 boxes of apples. There were 24 apples in each box. If he sold all the apples at 3 for \$1, how much money does he receive?

Day 4

Work with fractions

a) $\frac{5}{12} + \frac{1}{12} + \frac{3}{12} = \text{-----}$

b) $\frac{3}{8} + \frac{1}{4} = \text{-----}$

c) $\frac{7}{10} - \frac{4}{10} = \text{-----}$

d) $\frac{2}{10} - \frac{1}{10} = \text{-----}$

WEEK IV. MATH



Day 1

Change mixed numbers into improper fractions

a) $1\frac{2}{3}$

b) $2\frac{7}{8}$

c) $4\frac{1}{2}$

d) $1\frac{9}{10}$

Day 2

Change improper fractions into whole or mixed numbers.

$$\frac{20}{4}$$

$$\frac{7}{6}$$

$$\frac{21}{2}$$

$$\frac{16}{8}$$

Day 3

Find the value of the following

a) $\frac{1}{6}$ of 24

b) $\frac{3}{4}$ of 20

c) $\frac{2}{3}$ of 6

d) $\frac{1}{10}$ of 150

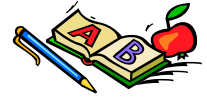
Day 4

Solve

a) There are 60 people on a bus. $\frac{2}{5}$ of them are children. If there are 15 boys, how many girls are there?

b) I had 45 oranges. I used $\frac{3}{5}$ of them to make juice. How many oranges do I have left?

WEEK V. MATH



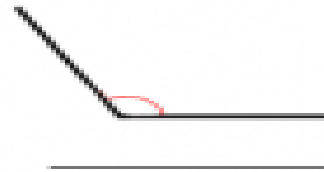
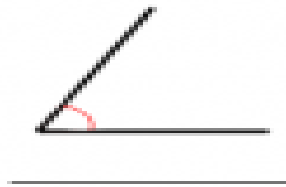
Day 1

Build a bar graph using the following data:

Class	Number of students wearing glasses
4A	6
4B	14
4C	10
4D	4

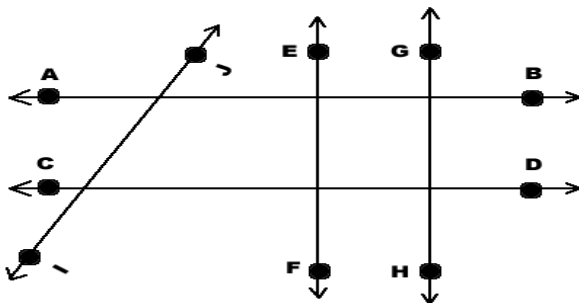
Day 2

Measure the following angles. Write which type of angle is it. (acute, obtuse, right)



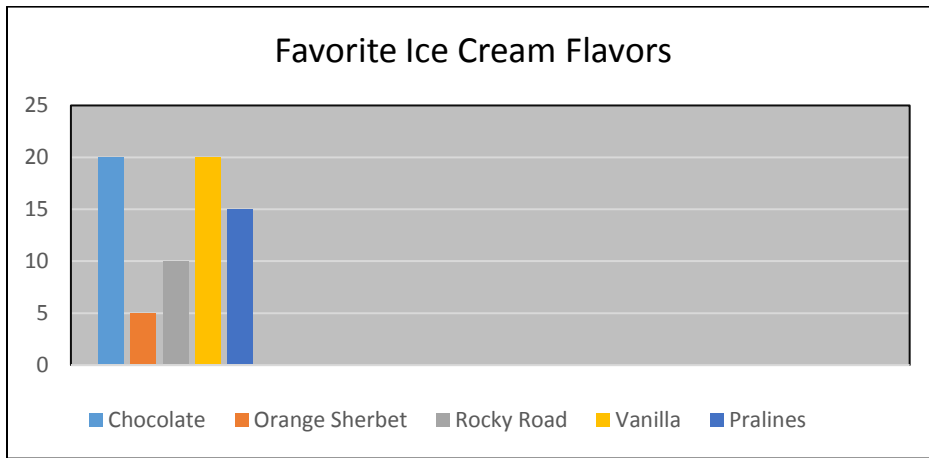
Day 3

Name the parallel and perpendicular lines in the following drawing



Parallel lines	Perpendicular lines

Day 4 Complete the statements using the information from the graph.



1. _____ and _____ had the same number of votes.
2. _____ is the least favorite.
3. ____ students chose pralines.
4. ____ students participated in the survey.

WEEK VI. MATH

Day 1



Write the fractions as decimals

a) $\frac{8}{10}$

b) $1\frac{4}{10}$

c) $\frac{3}{100}$

d) $\frac{15}{1000}$

Day 2

Fill in the blanks

- a) The number 3.479 is made up of _____ ones, _____ tenths, _____ hundredths, and _____ thousandths
- b) The value of the digit 4 is _____
- c) The value of digit 9 is _____
- d) The value of digit 7 is _____

Day 3

Add decimals:

a) $8.25 + 1.36 =$

b) $12.84 + 4.5 =$

c) $1.8 + 0.56 =$

d) $60 + 8.05 =$

Day 4

Subtract decimals:

a) $1.38 - 0.6 =$

b) $16.42 - 9.18 =$

c) $10.6 - 3.82 =$

d) $9.4 - 4.73 =$

WEEK VII. MATH



Day 1

9.46

78.5

.973

3.41

$\underline{\quad 9}$

$\underline{\quad 6}$

$\underline{\quad 4}$

$\underline{\quad 7}$

Day 2

Divide decimals

a) $3 \overline{) 68.25}$

b) $6 \overline{) 7.8}$

c) $8 \overline{) 4}$

d) $6 \overline{) 32.94}$

Day 3.

Solve

- a) Gwen and Susan bought a box of cookies for \$3.15 and a bucket of ice cream for \$4.65. They share the cost equally. How much did each girl pay?
- b) Danielle spent \$28.25 at a bookshop. She spent 5 times as much as Holly, how much did Holly spend?

Day 4

- a) The total weight of some butter pieces and a bag of flour is 2.7 lb. If a bag of flour weights 1.2 lb. What is the weight of the butter?
- b) Jane cuts a rope 1.48 m long into 4 equal pieces. How long is each piece of rope?

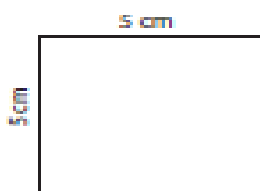
WEEK VIII. MATH



Day 1

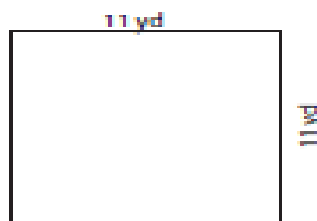
Find the area and perimeter for the following rectangles.

1)



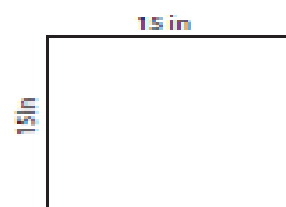
Area : _____
Perimeter : _____

2)



Area : _____
Perimeter : _____

3)



Area : _____
Perimeter : _____

Day 2

Choose the factors of the following numbers:

What is the factor of 12?

- a) 1, 2, 3, 4, 6, 12 b) 1, 2, 6, 12 c) 12, 24, 36, 48, 60 d) 1, 2, 3, 6, 12

What are the greatest common factor of 12 and 18?

- a) 3 b) 6 c) 12 d) 9

Which is a factor of 48?

- a) 24 b) 20 c) 11 d) 13

Day 3

Solve the story problem

Joseph works in a factory of plush toys. They produce 8,654 plush toys in a week. They sort them into 7 trucks. How many plush toys will they put in each truck?

Day 4

Multiply by two digit factors.

$$\begin{array}{r} 97 \\ \times 78 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ \times 21 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ \times 48 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 67 \\ \hline \end{array}$$

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