

Student Name: _____



MIFFLIN MIDDLE SCHOOL'S

Summer Learning Packet

Incoming 6th Graders (you were a 5th grader last year)

READING

Choose **at least one book** to read over the summer that is either **ON your Lexile level or one step above it**. On a separate sheet of paper, answer the following questions about your book. This can be written neatly, typed, or put into a PowerPoint presentation. Be sure to include the **TITLE** and author of each book you read.

6th graders: answer 6 questions

7th graders: answer 7 questions

8th graders: answer 8 questions

You may earn extra credit points for completing any activity of your choice. This is optional.

1. Before Reading: Make a prediction. Take a moment to predict what your book is going to be about.
2. Who are the main characters and what important things have you learned about them? Identify the protagonist and antagonist.
3. Describe or draw the setting **IN DETAIL**. Where in when does the story take place?
4. From what point of view is the story being told and how do you know? (first person or third person).
5. What was your favorite part of the story and why?
6. List one fact and one opinion from the story. Did you agree with the opinion? Please explain.
7. Make a personal connection with the story. What is something that you have experienced in the story?
8. Compare the book with another book you have read before in your life. Which one did you like better and why? Please be specific and give details.

Please also get on **A.c.h.i.e.v.e. 3.0.0.0** daily and keep a log of your time on the back of this packet.

*****SOLVE ALL **MATH** PROBLEMS WITHOUT A CALCULATOR
AND SHOW ALL WORK IN PENCIL*****

You'll be responsible for handing in the completed packet with all work shown on the FIRST DAY OF SCHOOL. THIS WILL BE YOUR FIRST GRADE.

The packet is a representation of the types of items you learned in Math last year. It will be GREAT review and keep all of the concepts in your brain so you start your school year feeling confident and knowledgeable.

Please also get on **A.L.E.K.S.** to practice Math on a regular basis. Keep a log of your time and topics learned on the back of this packet.

WRITE NUMBERS IN WORDS AND DIGITS

Write the number name.

1. 560.08
2. 7.016
3. 24.47
4. 6,003
5. 3,005,600.07

Write the number the name represents:

6. Forty-five thousandths
7. Seventeen and seven hundredths
8. Five million, three hundred thousand, twenty-nine and six tenths
9. Six million and five thousandths
10. Two hundred eight thousand, four.

ORDER DECIMALS

List each group of numbers in order **from least to greatest**:

1.) 20, 4, .6, .08

2.) 246.8, 248.6, 244.9, 246.5

3.) 1.03, 2.4, .89, .987

4.) 14.8, 2.68, .879, 8.47

5.) 5.3, 5.12, 5.38, 5.29

6.) 54.89, 56.3, 58.1, 52.98

7.) 4, .006, .8, .07

8.) 297, 3.456, 64.4, 7.24

9.) 794, 793.8, 794.65, 794.7

10.) 9, 6.7, 7.24, 14

11.) 4.2, 4.19, 4.07, 4.3

12.) 3.75, 6.7, 3.8, .45

ADD AND SUBTRACT WHOLE NUMBERS

Solve: No Calculators! Use scratch paper and STAPLE TO THE BACK for credit, if needed. **No work = no credit.**

1.) $6,496 + 3,288 =$

3.) $3,254 + 4,113 =$

6.) $98,455 - 14,789 =$

2. $54,398 + 64,508 =$

4.) $754 - 549 =$

7.) $38,904 - 32,899 =$

5.) $54,678 + 74,357 =$

8.) $908 - 774 =$

MULTIPLY AND DIVIDE WHOLE NUMBERS

Hints/Guide: You may use standard multiplication practices or lattice. To divide, please clarify the quotient and remainder. **BONUS:** if you can change your remainder to a decimal, please provide the answer. No Calculators! Use scratch paper and STAPLE TO THE BACK for credit, if needed. **No work = no credit.**

$24 \div 3 =$

$24 \div 6 =$

$16 \times 15 =$

$20 \div 5 =$

$74 \times 10 =$

$190 \div 19 =$

$32 \div 2 =$

$79 \times 9 =$

$216 \div 12 =$

$444 \times 77 =$

$114 \div 14 =$

$4 \times 58 =$

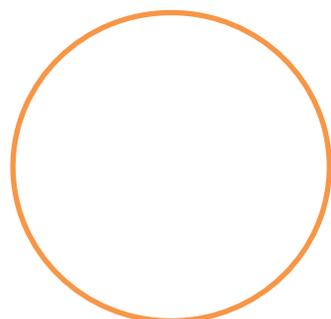
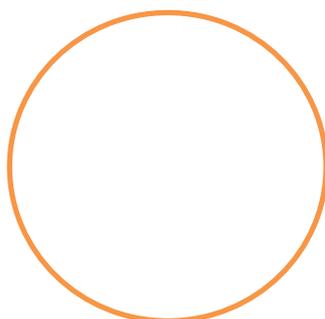
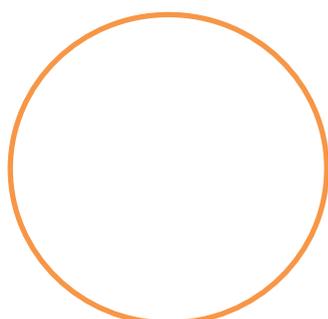
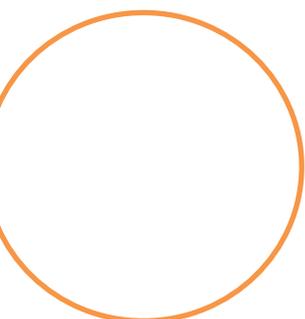
BACKGROUND OF FRACTIONS

Split and Label the following fractional parts (circles) with the given fractions.

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

2. $\frac{7}{8}$

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



FRACTION OPERATIONS

Hints/Guide: When adding and subtracting fractions, we need to be sure that each fraction has the same denominator, then add or subtract the numerators together.

Exercises: Perform the indicated operation: No Calculators! Use scratch paper and STAPLE TO THE BACK for credit, if needed. **No work = no credit.**

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

4. $\frac{5}{10} + \frac{1}{2}$

2. $\frac{5}{8} + \frac{3}{4}$

5. $\frac{3}{4} - \frac{2}{8}$

3. $\frac{7}{3} + \frac{1}{3}$

6. $\frac{20}{50} - \frac{1}{10}$

ADD AND SUBTRACT DECIMALS

Hints/Guide: When adding and subtracting decimals, the key is to line up the decimals above each other, add zeros to have all of the numbers have the same place value length, then use the same rules as adding and subtracting whole numbers, with the answer having a decimal point in line with the problem.

Solve: No Calculators! Use scratch paper and STAPLE TO THE BACK for credit, if needed. **No work = no credit.**

1) $15.7 + 2.34 + 5.06 =$

2) $64.038 + 164.8 + 15.7 =$

3) $2.6 + 64.89 + 4.007 =$

4) $12.9 + 2.008 + 75.9 =$

5) $87.4 - 56.09 =$

6) $5.908 - 4.72 =$

7) $68.9 - 24.74 =$

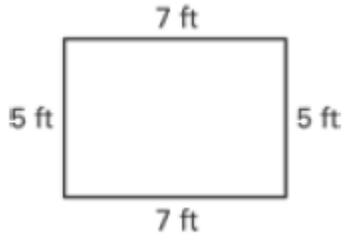
8) $955.3 - 242.7 =$

READING SCALES AND FINDING AREA AND PERIMETER

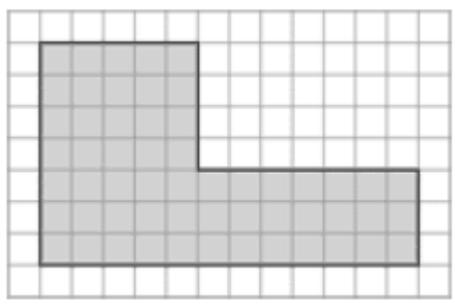
Hints/Guide: To determine the correct answer when reading scales, the important thing to remember is to determine the increments (the amount of each mark) of the given scale.

To find the perimeter of a rectangle or square, we must add the lengths of all of the sides together. To find the area of a square or a rectangle, we must multiply the length by the width.

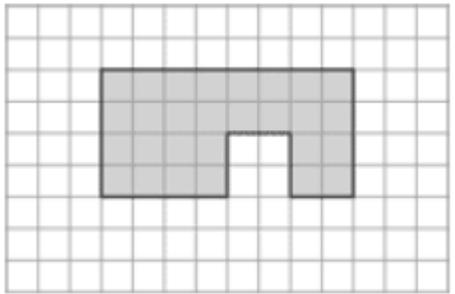
Exercises: Find the area and perimeter of the following. All units are in feet.



area _____ perimeter _____

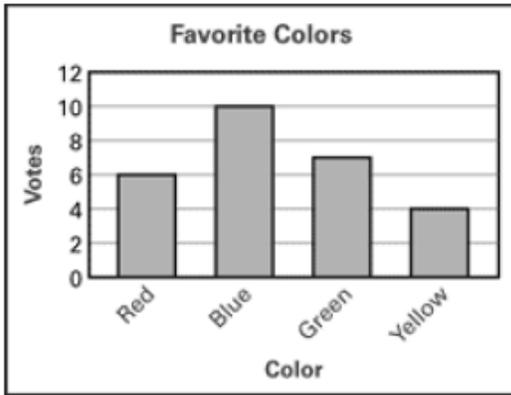


area _____ perimeter _____



area _____ perimeter _____

Using data to find answers.
Use the bar graph.

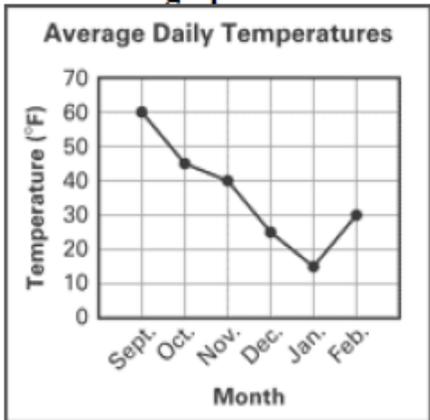


What color did 7 people vote for?

What color had 4 fewer votes than blue?

What was the total number of votes for red and yellow?

Use the line graph.



In which month was the average daily temperature the lowest?

What is the difference between the average daily temperatures for November and December?

What was the average daily temperature for October?

Use the pictograph.



How many black cars were in the parking lot?

How many fewer silver cars were in the parking lot than red cars?

Which color car has twice as many in the parking lot as silver cars?

FIND THE MEAN/AVERAGE, MEDIAN, MODE, AND RANGE OF A SET OF NUMBERS

No Calculators! Use scratch paper and STAPLE TO THE BACK for credit, if needed. **No work = no credit.**

Data Set: 5, 12, 6, 3, 8, 16, 8, 6

Mean:

Median:

Mode:

Range:

Data Set: 2, 7, 4, 11, 12, 4, 6

Mean:

Median:

Mode:

Range:

FACTORS AND MULTIPLES.

Make a factor rainbow for the following. Circle the Greatest Common Factor.

1) 18 and 24

2) 12 and 15

3) 17 and 20

4) 21 and 40

Find the first 10 multiples of the following. Circle the Least Common Multiple.

1) 12 and 4

2) 9 and 8