

Mrs. Sharpe's 7th Grade SUMMER MATH PACKET

Name _____

Dear Students,

We covered A LOT of curriculum this year and we are pleased with everyone's progress. Mrs. Sharpe is slated to teach the 7th grade class you've been assigned to next fall. As you know, we believe in the value of homework and practicing. If you want to get better at something, you have to practice. We are sending this homework to you so that you will practice the skills you worked on this year and don't forget what you learned during the last nine months. *If you lose this packet, it's available online. Visit the BJHS home page, click on Summer Math, then Mrs. Sharpe's 7th grade packet.* There are lots more pages you can print if you are really bored or really can't do enough math over the summer. 😊

THIS ASSIGNMENT IS DUE FRIDAY, September 9th – THE FRIST FRIDAY OF THE NEW SCHOOL YEAR.

THIS PACKET WILL COUNT AS THE FIRST TEST GRADE OF Quarter 1.

You can spread the work out over the summer or do chunks of it at one time. The purpose of this is to keep your skills fresh, so we are ready to fire on all cylinders come September. Have a great summer!

~Mrs. Sharpe & Mrs. Belanger~

Data Interpretation

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?

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Write Numbers in Words and Digits

Exercises: 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

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Order Decimals

Exercises: 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

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

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

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

4.) $754 - 549 =$

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

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

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

8.) $908 - 774 =$

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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.**

$24 \div 3 =$

$24 \div 6 =$

$16 \times 15 =$

$20 \div 5 =$

$74 \times 10 =$

$190 \div 19 =$

$32 \div 2 =$

$79 \times 9 =$

$216 \div 12 =$

$444 \times 77 =$

$114 \div 14 =$

$4 \times 58 =$

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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) $68.9 - 24.74 =$

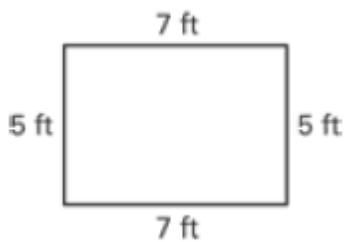
8) $955.3 - 242.7 =$

Reading Scales and Finding Area and Perimeter

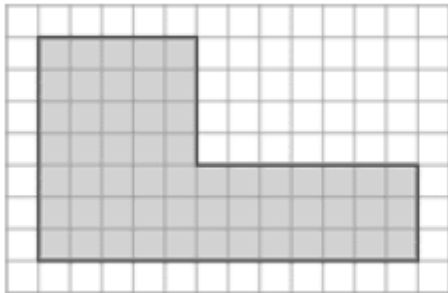
Hints/Guide: To determine the correct answer when reading scales, the important thing to remember is to determine the increments (the amount of each mark) of the given scale.

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.

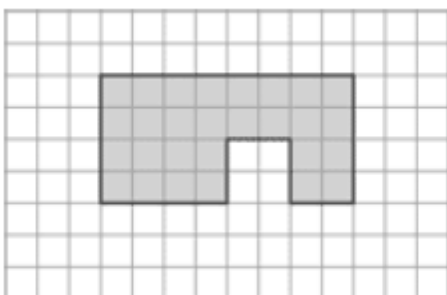
Exercises: Find the area and perimeter of the following. All units are in feet.



area _____ perimeter _____



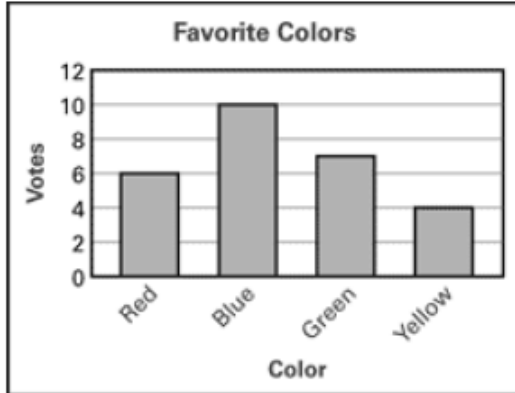
area _____ perimeter _____



area _____ perimeter _____

Using data to find answers.

Use the bar graph.

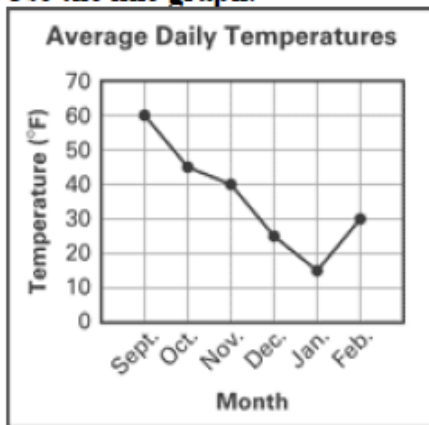


What color did 7 people vote for?

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?

Find the Mean/Average, Median, Mode, and Range of a Set of Numbers

Exercises: 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.

What is the Greatest Common Factor? (hint use a ladder)

1) 18 and 24

2) 12 and 15

3) 17 and 20

4) 21 and 40

What is the Least Common Multiple? (hint use a ladder)

1) 12 and 4

2) 9 and 8

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MAKE SURE TO SHOW YOUR WORK AND PUT YOUR ANSWERS IN LOWEST TERMS.

Add the following fractions. Write the answer in simplest form.

1) $\frac{5}{6} + \frac{4}{6}$

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

3) $\frac{4}{5} + \frac{1}{3}$

Subtract the following fractions. Write the answer in simplest form.

4) $1 - \frac{2}{5}$

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

6) $\frac{2}{3} - \frac{3}{4}$

Multiply. Write the answer in simplest form.

7. $\frac{3}{4} \times \frac{5}{6}$

8. $\frac{2}{9} \times \frac{3}{5}$

9. $2\frac{4}{9} \times 3\frac{1}{2}$

10. $5\frac{3}{4} \times 4\frac{2}{3}$

Divide. Write the answer in simplest form.

11. $\frac{5}{8} \div \frac{1}{2}$

12. $\frac{5}{9} \div \frac{6}{7}$

13. $2\frac{2}{5} \div \frac{1}{10}$

14. $3\frac{4}{9} \div 4\frac{1}{3}$

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Add or subtract.

1. $7.43 + 9.25$

2. $10.06 - 3.82$

3. $28.1 - 21.97$

4. $16.673 + 34.26$

Multiply.

5. 7.26×8

6. 12×0.68

7. 3.2×0.45

8. 0.006×0.32

Divide.

9. $6.21 \div 3$

10. $11.79 \div 9$

11. $5.2 \div 0.13$

12. $9.68 \div 0.32$