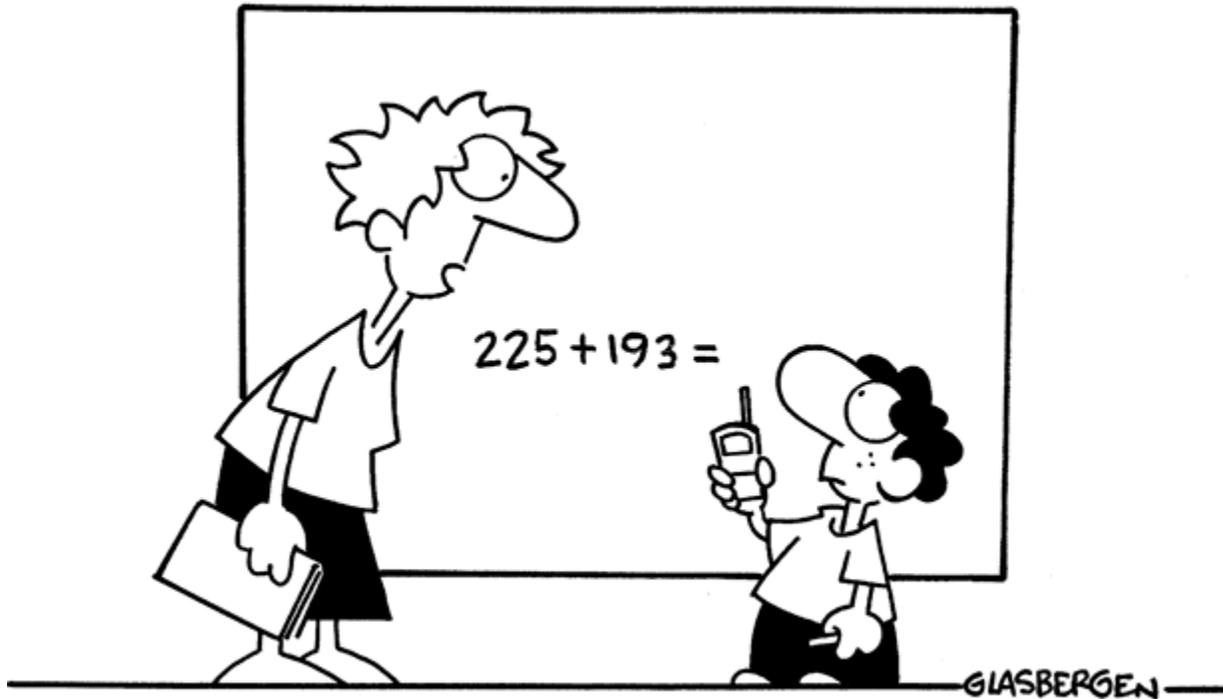


Incoming 6th Grade Honors Math Summer Work

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“You have to solve this problem by yourself. You can’t call tech support.”

Supplies List:

3 Subject Notebook

Take Home Folder - Math

Roll of Paper towels

Pack of College Ruled Looseleaf

Staedtler Math Set for Drawing, Measuring Tools, (55610 BN02) at Amazon

6th Grade Skills

Please complete the assignments each week.

Suggested Date	Assignment	Reflection
June 16 - 20	Week One Worksheet C. Divide whole numbers: word problemsCNW (6th Grade Skill)	
June 23 - 27	Week Two Worksheet E.8 Identify mistakes involving the order of operationsV46 (6th Grade Skill)	
June 30 - July 4	Week Three Worksheet I.6 Divide decimals by whole numbers: word problemsTWZ (6th grade Skill)	
July 7 - 11	Week Four Worksheet J.2 Add, subtract, multiply, or divide two decimals: word problems8HT (6th Grade Skill)	
July 14 - 18	Week Five Worksheet N.2 Add, subtract, multiply, or divide two fractions: word problemsRDY (6th Grade Skills)	
July 21 - 25	Week Six Worksheet S.19 Scale drawings: word problemsUFW(6th Grade Skill)	
July 28 - Aug 1	Week Seven Worksheet S.10 Rates: word problems9AF (6th Grade Skill)	
August 4 - 8	Week Eight Worksheet U.7 Compare percents and fractions: word problems9C8 (6th Grade Skill)	
August 11 - 15	Week Nine Worksheet V.11 Solve percent word problemsYWB (6th Grade Skills)	
August 18 - 22	Week Ten Worksheet AA.13 Solve one-step addition and subtraction equations: word problems35Q (6th Grade Skills)	
August 25 - 29	Check Over Packet	

Dear Students and Families,

As we conclude a wonderful school year, I would like to thank you for your hard work, dedication, and the joy you brought to our classroom. I hope that this summer provides you all with the chance to relax, recharge, and spend quality time with friends and family.

To help maintain the progress we've made and prepare for the upcoming school year, I am assigning some summer work. The goal is to keep skills fresh and minds engaged while still allowing for plenty of summer fun.

Summer Work Overview

For Students:

- There is a weekly outline of tasks to complete that includes some spiral review and an IXL skill to work on to obtain a SmartScore of 90 - 100. Please reflect on the weekly work with a Smiley or Frowny face, depending on the difficulty of the work.
- There is a performance task to complete that is grade-appropriate.
- Optional Enrichment - *You can always review your IXL diagnostic recommendations and work on those topics.*

For Parents:

- Encourage a regular routine for light academic work. A little work each week is better than cramming it all in at the beginning or the end of summer.
- Support your child by discussing what they're learning about in math.
- Help set goals or timelines to avoid last-minute stress in August.

Due Date:

Please return all completed summer work on **September 2, 2025**. It will be our starting point for the new school year and it counts toward your first trimester grades.

If you have any questions over the summer, feel free to contact me at coconnor@stisidoreschool.com.

Wishing you a safe, joyful, and restful summer!

Warm regards,
Christine OConnor

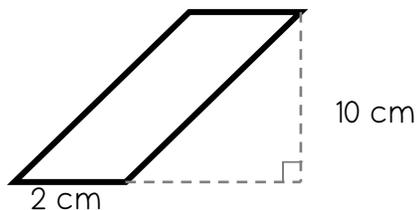
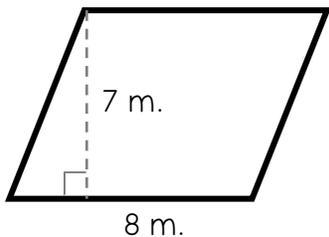
Honors Math Teacher

Name: _____

SUMMER MATH REVIEW *Week One*

MONDAY

Find the area of each figure:



TUESDAY

Evaluate each expression. Simplify if necessary.

$$\frac{1}{4} \times \frac{2}{3} =$$

$$\frac{3}{5} \times \frac{2}{4} =$$

$$\frac{7}{9} \times \frac{6}{8} =$$

WEDNESDAY

Evaluate each expression.

$$3^3 = \underline{\quad\quad}$$

$$5^4 = \underline{\quad\quad}$$

$$2^5 = \underline{\quad\quad}$$

THURSDAY

Cathy has a bag of 45 marbles. There are 30 blue, 10 green and 5 red. Write each ratio 3 ways:

red to blue	green to red and blue	blue to total marbles

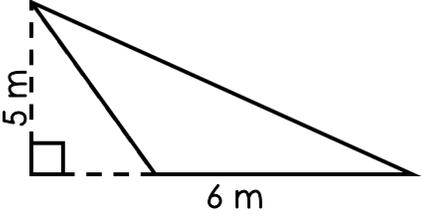
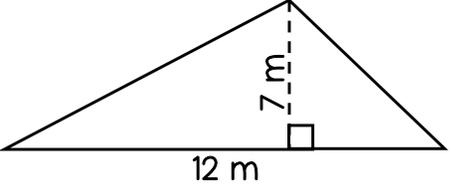
FRIDAY

What is the mean of the data set below?

15, 22, 18, 32, 40, 47

Name: _____

SUMMER MATH REVIEW *Week Two*

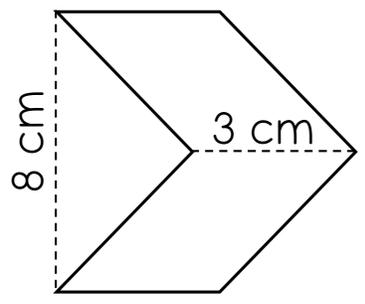
MONDAY	<p>Find the area of each figure:</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"><p>5 m 6 m</p></div><div style="text-align: center;"><p>7 m 12 m</p></div></div>			
TUESDAY	<p>Write an integer that represents each situation:</p> <p>Sea level _____</p> <p>Gaining 5 pounds _____</p> <p>Descending 1,000 feet _____</p>			
WEDNESDAY	<p>Solve each equation. Show all work.</p> <p style="text-align: center;">$x - 14 = 22$ $x + 16 = 52$</p>			
THURSDAY	<p>Find each unit rate:</p> <table border="1" style="width: 100%;"><tr><td style="width: 33%; text-align: center;">270 cars in 6 hours</td><td style="width: 33%; text-align: center;">\$46.25 in 5 hours</td><td style="width: 33%; text-align: center;">72 pages in 4 days</td></tr></table>	270 cars in 6 hours	\$46.25 in 5 hours	72 pages in 4 days
270 cars in 6 hours	\$46.25 in 5 hours	72 pages in 4 days		
FRIDAY	<p>Create a data set with 6 items that has a median of 5.</p>			

Name: _____

SUMMER MATH REVIEW *Week Four*

MONDAY

Find the area of the figure:



TUESDAY

Compare each pair of numbers using $<$, $>$ or $=$

-7 ___ -6 -9 ___ -12 8 ___ -8

WEDNESDAY

Evaluate each expression when $a = 3$ and $b = 10$

$4b + 5a$

$3b^2 + a$

THURSDAY

Office Emporium has packs of 15 pencils for \$1.80. Office World has packs of 12 pencils for \$1.32. Which store has the better deal on pencils?

FRIDAY

Find the range of each data set:

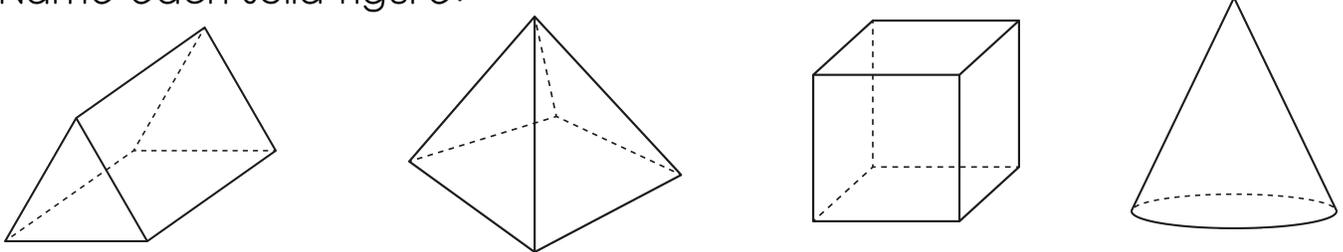
15, 16, 19, 22, 29	7, 11, 3, 0, 3, 12, 11	0.1, 0.4, 0.25, 0.02, 0.5
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Name: _____

SUMMER MATH REVIEW *Week Five*

MONDAY

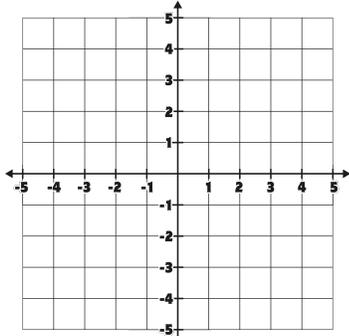
Name each solid figure:



TUESDAY

Graph and label each ordered pair.

- A (4,-2)
- B (-1,3)
- C (-4,0)
- D (0,3)



WEDNESDAY

Write the algebraic expression for each word phrase

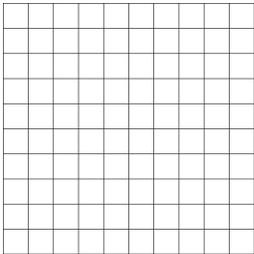
5 less than a number g _____

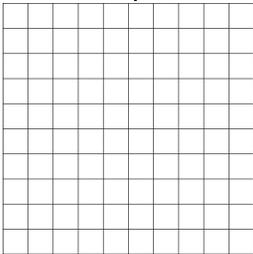
The product of 0.3 and m _____

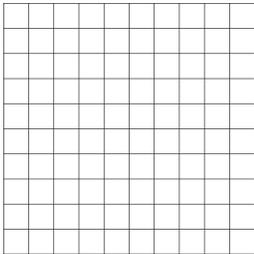
4 more than a number w _____

THURSDAY

Shade in each model the given percent.

45% 

4% 

16% 

FRIDAY

Create a line plot with the given data set:
5, 6, 10, 5, 1, 3, 6, 6, 5, 4, 8



Name: _____

SUMMER MATH REVIEW *Week Six*

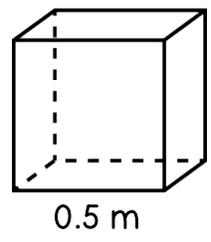
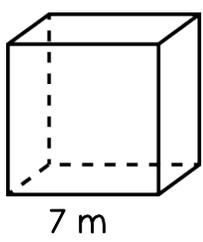
MONDAY	<p>Find the volume of each figure:</p> <div style="display: flex; justify-content: space-around;"><div data-bbox="227 294 649 462"><p>8 m 3 m 1 m</p></div><div data-bbox="958 252 1347 462"><p>15 m 4 m 6 m</p></div></div>
TUESDAY	<p>Evaluate each expression.</p> <div style="display: flex; justify-content: space-around;"><div data-bbox="406 630 617 693">$1.25 + 3.04$</div><div data-bbox="1136 630 1299 693">$7 - 4.65$</div></div>
WEDNESDAY	<p>Write an inequality for each word phrase</p> <p>You must be at least 12 to go on the trip _____</p> <p>There will be no more than 10 problems _____</p> <p>Vanessa made more than \$25 babysitting _____</p>
THURSDAY	<p>There are 100 questions on your math fluency quiz. You get 89 questions correct. What percent did you get correct? What percent did you get incorrect?</p>
FRIDAY	<p>Create a line plot with the given data set:</p> $0, \frac{2}{6}, \frac{5}{6}, \frac{3}{6}, \frac{1}{6}, \frac{5}{6}, 1, \frac{3}{6}, \frac{1}{6}, 1$ <div style="text-align: center;"><p>← → 0 1/6 2/6 3/6 4/6 5/6 1</p></div>

Name: _____

SUMMER MATH REVIEW *Week Seven*

MONDAY

Find the surface area of each figure:



TUESDAY

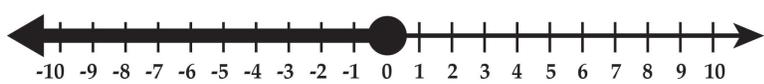
Evaluate each expression.

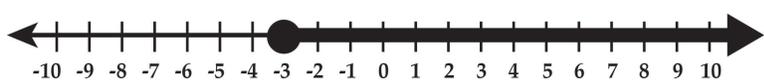
$$5.67 \times 1.2$$

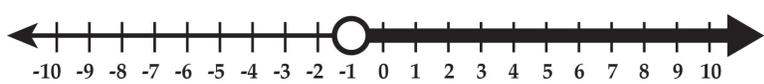
$$9 \times 15.2$$

WEDNESDAY

Write the inequality for each graph







THURSDAY

Complete the table:

Percent	Fraction (simplest form)	Decimal
45%		
		0.1
	2/5	

FRIDAY

Create a box and whisker plot with the given data set:

5, 6, 10, 5, 1, 3, 6, 6, 5, 4, 8



Name: _____

SUMMER MATH REVIEW *Week Eight*

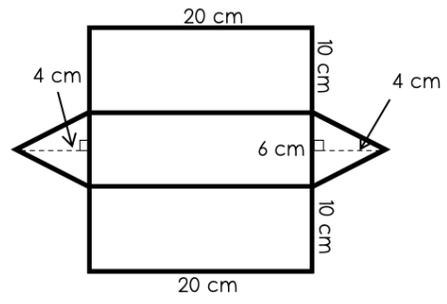
MONDAY	<p>Find the surface area of each figure:</p> <div style="display: flex; justify-content: space-around;"><div data-bbox="186 273 568 493"><p>A 3D drawing of a rectangular prism. The front bottom edge is labeled 5 m, the right bottom edge is labeled 2 m, and the right vertical edge is labeled 6 m. Hidden edges are shown with dashed lines.</p></div><div data-bbox="925 252 1153 504"><p>A 3D drawing of a rectangular prism. The front bottom edge is labeled 1 m, the right bottom edge is labeled 1 m, and the right vertical edge is labeled 7 m. Hidden edges are shown with dashed lines.</p></div></div>
TUESDAY	<p>Evaluate each expression.</p> <div style="display: flex; justify-content: space-around;"><div data-bbox="170 630 332 682">$6.15 \div 5$</div><div data-bbox="885 630 1088 682">$1.14 \div 0.12$</div></div>
WEDNESDAY	<p>Solve and graph the inequality. Show all work.</p> $x - 3 > 1$ <div style="text-align: center;"><p>A horizontal number line with arrows at both ends. It has tick marks and labels for integers from -5 to 5.</p></div>
THURSDAY	<p>There are 150 jellybeans in the jar. 30% of the jellybeans are blue. The rest are red. How many blue jellybeans are red? How many jellybeans are blue?</p>
FRIDAY	<p>Find the Mean Absolute Deviation of the data set:</p> $5, 4, 10, 6, 5$

Name: _____

SUMMER MATH REVIEW *Week Nine*

MONDAY

Find the surface area of the figure:



TUESDAY

Find the GCF of each pair of numbers

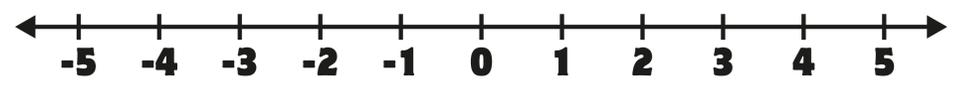
36 and 54

75 and 15

WEDNESDAY

Solve and graph the inequality. Show all work.

$$2x \leq 1$$



THURSDAY

Abigail got 29 out of 32 questions correct on her math test. What percent did she get correct? Round your answer to the nearest whole number.

FRIDAY

Find the interquartile range of the data set:

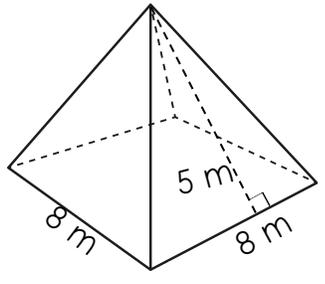
1, 6, 7, 10, 4, 6, 9

Name: _____

SUMMER MATH REVIEW *Week Ten*

MONDAY

Find the surface area of the figure:



TUESDAY

Find the LCM of each pair of numbers

10 and 4

16 and 24

WEDNESDAY

Use the distributive property to simplify each expression

$$5(2g + 3)$$

$$9(x + 3y)$$

$$15(2a - b)$$

THURSDAY

60% of the grade is participating in field day. 150 students are participating. What is the total number of students in the grade?

FRIDAY

Create a stem and leaf plot with the given data set:

12, 15, 22, 25, 34, 12, 44, 34, 35, 36

Name: _____

Baseball Players



1. The mean weight of nine players on a baseball team is 177 pounds. Find the **total weight** of the nine players.

Show your work.

2. The mean weight of the nine players and three reserve players is 188 pounds. Find the **mean weight** of the three reserve players.

Show how you figured it out.

3. The opposing baseball team has nine players whose weights, in pounds, are 174, 177, 194, 162, 196, 169, 187, 192, 178. Find the median and the range of these weights.

Median _____

Range _____

4. All 140 players in the league reported their weights on their registration forms. Some information about their weights is given below. Create a histogram that displays the players possible weights based on this information.
- 10 players weighed less than 140 pounds.
 - 10 players weighed more than 220 pounds.
 - The most players weighed between 160 and 180 pounds.
 - Half of the players weighed 180 pounds or more.

