SAINT ANGELA SCHOOL

ALTERNATIVE LEARNING PLAN ASSIGNMENTS

Week of May 14, 2020

Teacher _____Mrs. Watson _____ Grade _____7th_____

The Alternative Learning Plan Assignments listed below will facilitate continuous uninterrupted learning with assignments based on the academic standards promulgated by the State of Illinois and the Archdiocese of Chicago. Scholars are expected to complete the assignments as described, and submit them when they return to school. That date has yet to be determined. Each Sunday around 5:00 PM, beginning on March 15 until school resumes, your scholar's Alternative Learning Plan Assignments will be posted on our school website. Parents, thank you in advance for your kind and generous assistance in extending learning into the home during this very difficult and trying time. Be safe and God bless!

Hello Seventh Grade! This document has 6 (SIX) Pages. Page down for your worksheets.
Math:
Do your XTRAMATH. Some of you are doing a great job practicing your math facts using XtraMath. Some of you have not been practicing. Keep your skills sharp **and work on XtraMath!** This week we are going to learn how to calculate the volume of rectangle and the surface area of a rectangular solid. Our volume formula for 3D figures remains the same**, V=Length X WidthX Height**. Remember, volume tells you how much something can hold inside.
Here is a video to help you
https://virtualnerd.com/pre-algebra/perimeter-area-volume/volume/volume-examples/rectangular-prism-volume-example

Once we understand the volume, we are going to look at **the area of rectangular prisms**. Now you will understand why I made you fold those flats into 3D shapes. You need that kind of spacial reasoning to calculate the surface area. The surface area is the area of each face of a 3D figure added together. Lucky for us there is a formula to calculate surface area so we don't have to spend all that time calculating the area of each face! The formula for surface area is 2lw+2lw+2wh = surface area of a 3D figure.

Here is a link to a video to show you how to do it.
https://virtualnerd.com/middle-math/geometry-measurement/surface-area/calculate-surface-area-rectangular-prism-net

I will so some examples on **our Monday Zoom Conference call from 10:00-10:45.** Watch for the Zoom link and password in a separate email. I will send it on Sunday.

Bless me, O Lord with good health, and heal all the troubles of my mind, spirit, and body.

English/Language Arts: This week we are going to create categories for lists on words, or classify words into one category. One the first worksheet you have to think of a category for a group of words. In the second part you will read a list of words and tell me the one that doesn't belong. The second page asks you to find the word in each word circle that DOESN'T belong. Then make us a category for each word.
No printer? Page down to look at the worksheets on pages 5 and 6 of this document. You can read the questions and then copy the problem and solve it on another sheet of paper. You can take a picture of it and email me at cwatson@saintangela.org.
All my worksheets are also available on the title1 website: http://title1saintangela.weebly.com/homework.html
I also put a packet of all your math worksheets for the entire year in the cafeteria. They are near a pink sheet of construction paper that says Title 1 Grade 7.

KEEP PAGING DOWN….THE WORKSHEETS ARE BELOW. I PUT ONE PER PAGE SO YOU COULD SEE IT ON THE SCREEN AND WRITE YOUR ANSWERS ON ANOTHER SHEET OF PAPER. TAKE A PICTURE OF YOUR PAPER AND EMAIL IT TO ME: CWATSON@SAINTANGELA.ORG

Classifying
Item 3063

Name _____

6.17.8 May 11

Classifying

Write a category name for each group of words.

1. asparagus bean pepper _____
2. turtle tortoise lizard _____
3. valleys plateaus mountains _____
4. sequoia redwood pine _____
5. rockweed sea lettuce kelp _____
6. frog toad salamander _____
7. winter summer fall _____
8. falcon eagle buzzard _____
9. sponge jellyfish crab _____
10. sage thyme rosemary _____

Read each group of words then write the word that does not belong on the line.

1. brother grandmother father uncle _____
2. onion garlic carrot spinach _____
3. Velociraptor Diplodocus Tyrannosaurus Megalosaurus _____
4. boxer beagle Siamese terrier _____
5. building house skyscraper cottage _____
6. gold copper bronze lead _____
7. viola violin cello oboe _____
8. bee spider beetle locust _____
9. river stream pond ocean _____
10. moon Mars Earth Jupiter _____

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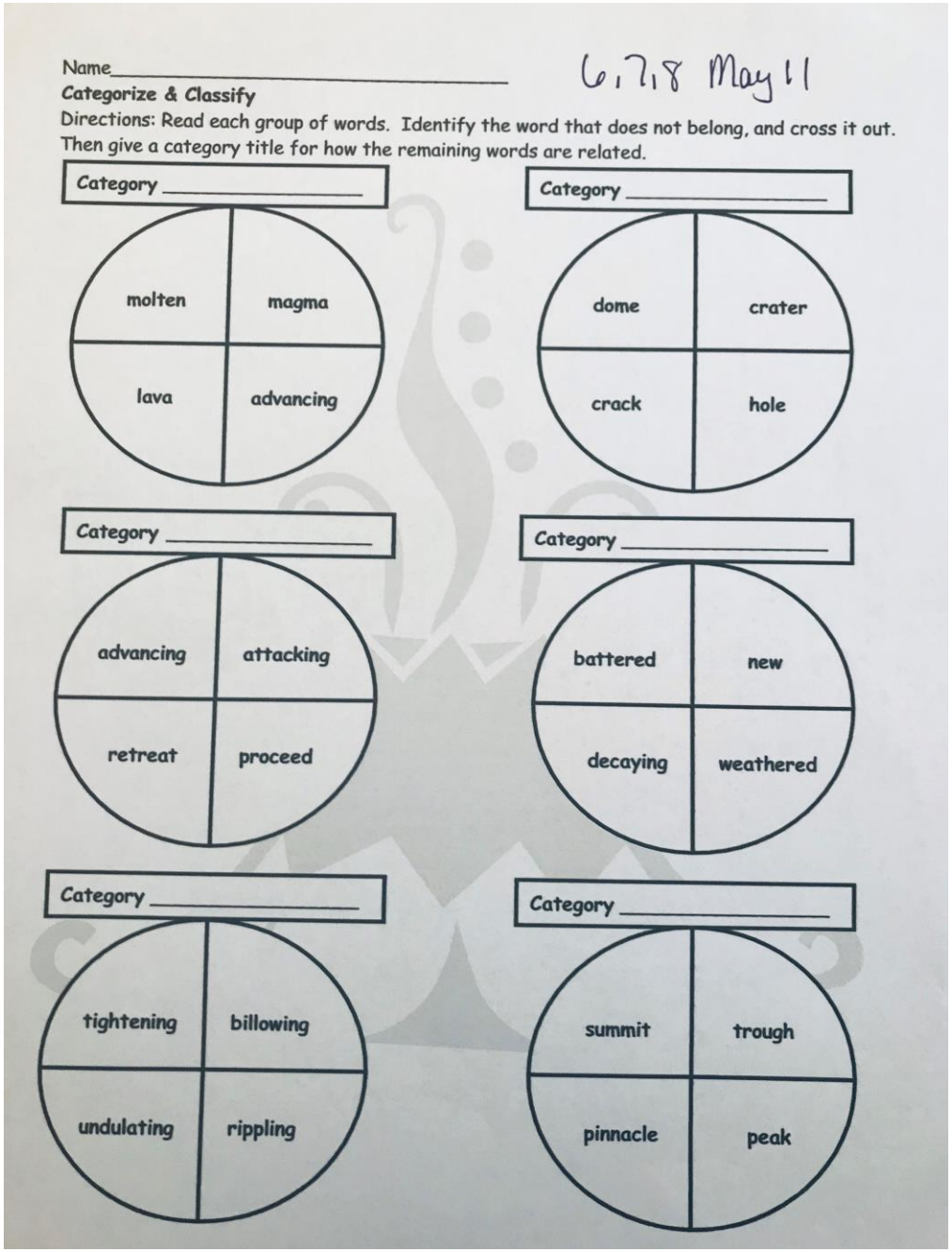
Bless me, O Lord with good health, and heal all the troubles of my mind, spirit, and body.



Name_____ 6,7,8 May 11

Categorize & Classify

Directions: Read each group of words. Identify the word that does not belong, and cross it out. Then give a category title for how the remaining words are related.

Category _____

molten, magma, lava, advancing

Category _____

dome, crater, crack, hole

Category _____

advancing, attacking, retreat, proceed

Category _____

battered, new, decaying, weathered

Category _____

tightening, billowing, undulating, rippling

Category _____

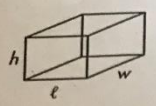
summit, trough, pinnacle, peak

Bless me, O Lord with good health, and heal all the troubles of my mind, spirit, and body.

NAME _____

Lesson 5.11 Volume: Rectangular Prisms

Volume is the amount of space a solid (three-dimensional) figure occupies. You can calculate the volume of a rectangular solid by multiplying the area of its base by its height: $V = Bh$.



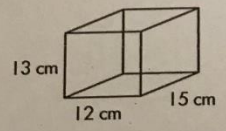
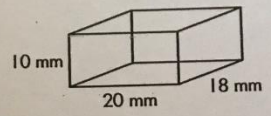
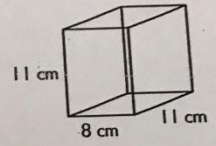
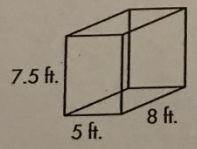
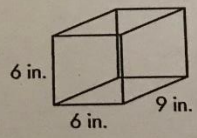
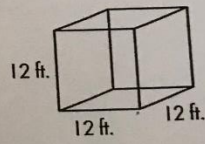
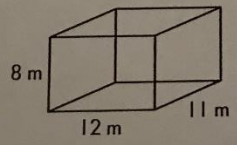
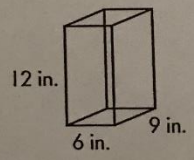
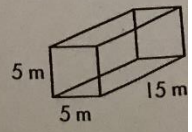
The area of the base is found by multiplying length and width. $B = \ell \times w$, so the volume can be found by using the formula $V = \ell \times w \times h$.

If $\ell = 10$ m, $w = 11$ m, and $h = 7$ m, what is the volume of the solid?

$V = 10 \times 11 \times 7$ $V = 770$ m^3 or 770 cubic meters.

Because the measure is in 3 dimensions, it is measured in **cubic units** or **units^3**.

Find the volume of each rectangular solid.

	a	b	c
1.			
	$V =$ _____ cm^3	$V =$ _____ mm^3	$V =$ _____ cm^3
2.			
	$V =$ _____ ft.^{3}	$V =$ _____ in.^{3}	$V =$ _____ ft.^{3}
3.			
	$V =$ _____ m^3	$V =$ _____ in.^{3}	$V =$ _____ m

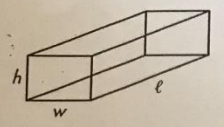
Bless me, O Lord with good health, and heal all the troubles of my mind, spirit, and body.

NAME _____

Lesson 6.6 Surface Area: Rectangular Solids

The **surface area** of a solid is the sum of the areas of all surfaces of the solid. A rectangular solid has 6 surfaces.

The area of each surface is determined by finding:



length × width, length × height, width × height

The total surface area is found using this formula:

$SA = 2\ell w + 2\ell h + 2wh$

If $\ell = 10$ m, $w = 6$ m, and $h = 4$ m, the surface area is found as follows:

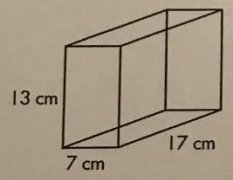
$SA = 2(10 \times 6) + 2(10 \times 4) + 2(6 \times 4)$

$SA = 2(60) + 2(40) + 2(24) = 120 + 80 + 48 = 248\ m^2$

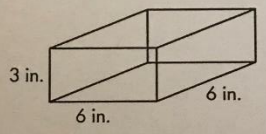
Find the surface area of each rectangular solid.

a **b** **c**

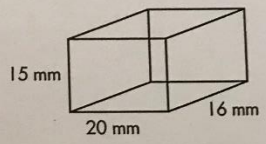
1.



$SA =$ _____ cm^2

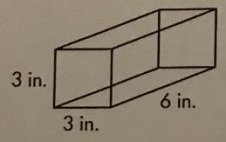


$SA =$ _____ $in.^2$

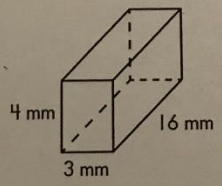


$SA =$ _____ mm^2

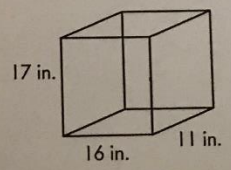
2.



$SA =$ _____ $in.^2$



$SA =$ _____ $ft.^2$



$SA =$ _____ $in.^2$

Bless me, O Lord with good health, and heal all the troubles of my mind, spirit, and body.