

John C. Haines Middle School Supply List 2019-2020

Dear 6th, 7th, and 8th Grade Families:

Welcome to the John C. Haines Middle School Department! We hope that you have a wonderful summer break and come back prepared for an exciting and challenging year! To ensure that you are equipped for a successful year, you must arrive on the first day of school, Tuesday, September 3, 2019 with **ALL** of the following supplies in addition to your summer homework packet:

<p style="text-align: center;">General Supplies – Bring to ALL Classes Daily</p> <ul style="list-style-type: none"> ● 4 black pens, 2 red pens, 1 pack pencils (wooden) ● yellow, pink, purple, blue, and orange highlighters ● glue stick ● Scotch tape ● 1 white-out pen or tape ● personal stapler with staples ● 4 packs of college ruled loose leaf paper ● colored pencils ● markers (fine and regular tip) ● 1 pack copy paper (to use for printing at school) 	<p style="text-align: center;">Ancillary Classes</p> <p>Gym/Health:</p> <ul style="list-style-type: none"> ● Haines gym shirt and black, white, gray, or green shorts/exercise pants, and gym shoes <p>Art:</p> <ul style="list-style-type: none"> ● Spiral bound sketch book OR folder with brads <p>Library:</p> <ul style="list-style-type: none"> ● 1 Pocket folder with prongs and loose leaf paper <p>Technology:</p> <ul style="list-style-type: none"> ● 1 pack copy paper and headphones <p>Music:</p> <ul style="list-style-type: none"> ● 1 spiral notebook and 1 folder
<p style="text-align: center;">Language Arts – Green and Blue</p> <ul style="list-style-type: none"> ● Green Reading composition notebook (NOT spiral) ● 1 pack post-its ● 2 green pocket folders with prongs ● Blue Writing composition notebook (NOT spiral) ● 2 blue pocket folders with center rings ● 1 pack of 12 colored pencils ● 1 plastic accordion file with at least 5 pockets for papers (any color) example: http://goo.gl/tcW2Z1 	<p style="text-align: center;">Math – Purple</p> <ul style="list-style-type: none"> ● 2 <u>graph ruled composition</u> notebooks (this looks like a COMPOSITION (NOT spiral) with graph paper – you can buy this at Staples – example: http://goo.gl/sZuNLM) ● 2” binder with dividers ● 1 purple spiral notebook ● 2 packs of graph paper ● 2 dry erase markers ● scientific calculator ● protractor ● ruler (cm/in)
<p style="text-align: center;">Science – Yellow</p> <ul style="list-style-type: none"> ● 1 composition notebook ● 1 dry erase marker (black) ● 2 Scotch tape ● 1 pack loose leaf lined paper and post-it notes 	<p style="text-align: center;">Social Science – Red</p> <ul style="list-style-type: none"> ● 1 red pocket folder with prongs ● 1 red composition book ● 1 jar of rubber cement glue ● 2 black felt tip pens
<p style="text-align: center;">Community Supplies to Share</p> <ul style="list-style-type: none"> ● 2 boxes of tissue ● 1 roll of paper towels ● 1 container of Clorox wipes ● 1 pump antibacterial hand sanitizers ● 1 ream of copy paper ● 1 container baby wipes for quick hand clean-up ● Ziplock bags (girls-quarter size, boys-gallon size) <p><i>**You will need to replenish supplies as they run out! You may wish to purchase extra supplies when the back-to-school sales are going on and the prices are low.</i></p>	<p style="text-align: center;">Other Personal Supplies</p> <ul style="list-style-type: none"> ● Chicago Public Library card ● Combination lock (NO KEY LOCKS) <p><u>Arrangement to have access to a working computer with internet and printer daily</u></p> <hr/> <p style="text-align: center;">Mandatory Fees</p> <p>Book Fee + Technology Fee + Activity Fee = \$75</p> <p>7th grade ONLY Constitution book fee = \$8.00</p>

Enjoy your summer break! We look forward to an exciting and productive year of learning with you!

Sincerely,

The Haines Middle School Team

HAINES MIDDLE SCHOOL SCIENCE SUMMER ENRICHMENT 2019

During the summer break, review Science/Health, Technology, Engineering, Mathematics (S.T.E.M.)- related news from any credible and reliable sources such as the following:

1.  - <https://newsela.com/>
2.  Your source for the latest research news - <http://www.sciencedaily.com/>
3. SmartNews  - <http://www.smithsonianmag.com/science-nature/?no-ist>
4.  Science- <http://www.nytimes.com/pages/science/index.html>

Directions: Choose at least one STEM-related 2019 summer news article to share on the first week of school year 2019-2020.

RUBRIC

1. The STEM-related current event or news article was:
 - a) published or posted between on or before September 2019 (1 point),
 - b) from a credible and reliable source (2 points),
 - c) cited in APA format. Included (if available) author, date of publication, title and URL (2 points) Click the link to get the guidelines for citing different types of sources in APA format or use attached copy.
2. Summary of the article clearly but succinctly described the problem being addressed by the invention or solution OR the answer to a question about a natural phenomenon. (3 points)
3. A clear explanation is provided on how the article could be related to one's annual Science Fair/STEM project or investigation either in content and/or procedure for school year 2018-2019. (2 points)

Examples:

1. Scientists observed that wax worms ate through plastic bags. They wanted to know how and if that could help address plastic pollution. <https://news.nationalgeographic.com/2017/04/wax-worms-eat-plastic-polyethylene-trash-pollution-cleanup/>
2. An associate professor was inspired by research in nature, i.e. gecko's ability to stick on vertical walls, that he developed a gecko tape for surgical use. <http://blogs.wgbh.org/innovation-hub/2017/7/6/what-nature-can-teach-science/>
3. A teen scientist and inventor developed a sensor that tracks wound healing. Her invention tells a caregiver when the bandage needs to be changed. https://www.ted.com/talks/anushka_naiknaware_a_teen_scientist_s_invention_to_help_wounds_heal?utm_source=newsletter_weekly_2018-06-02&utm_campaign=newsletter_weekly&utm_medium=email&utm_content=talk_of_the_week_image
4. A student in Iceland, developed a biodegradable water bottle made of algae to hopefully help address plastic pollution. <https://healthfoodsoul.com/student-just-saved-the-planet/>

SOCIAL STUDIES SUMMER ENRICHMENT SY 19/20

This summer we want you to focus on you. What are you passionate about? What do you wonder about ? What are your interests?

You will be creating a GENIUS PROJECT for social studies this summer. Follow the steps below and be prepared to present within the first week of school in your social studies class.

STEP 1 Brainstorm What are you passionate about? List ideas in the space below.

Ex: dance, cycling, working out, music, human rights, a current event, dogs, cats, giraffes, baking cakes, making origami, WWI, Civil War...

STEP 2 Form a question What do you want learn about one of your passions?

Example: What was the earliest form of dance?

Your question to research:

STEP 3 Research Find an answer or answers to your question through research. Here are some online sources to get you started:

- Library of Congress- loc.gov
- SOAR- library.cps.edu (This site has multiple encyclopedias and databases. The username is CPS and the password is CPS.)
- NEWSELA- newsela.com

STEP 4 Create Create a presentation for your classmates. Visuals are a must! You will present your question and teach us about your passion. You may use slides, create a website, do a demonstration, video, pamphlet, create a board, or write a speech. YOUR choice!

SOCIAL STUDIES SUMMER ENRICHMENT SY 19/20

RUBRIC

CRITERIA	NOTES	POINTS	
Demonstrates an understanding of the material. Evidence of learning new material is the topic of interest.			/40
High quality presentation- eye contact, volume of voice, conventional speaking, pace of speaking, posture			/10
Organization and preparedness for the presentation- clear introduction, content and conclusion. Creative			/20
Impact of visual aids- engaging and/or interactive. You do not rely heavily on visuals (Example: reading directly from slides)			/20
Demonstrates time management skills by delivering a clear, concise presentation lasting between 3-5 minutes.			/10
			/100

Haines Middle School Math Enrichment

興氏學校高年班假期數學增進練習

We hope you enjoy your break and get to relax and spend time with family and friends. However, we also want you to keep your math skills sharp, so we're assigning you **60 minutes** per week of some of the greatest websites for you to do just that!

Complete the table below to track your learning.

我們希望你們享受道假期和鬆馳，和家庭級朋友一起，另方面我們希望你們能保持你們數學技術精練，因此我們指定了每星期一個半小時的網上數學練習給你們，這是很好的網站，請填寫以下表格表示你們的練習時間

Week of 日期	Website Used and Skills Practiced 網站名稱和學習了什麼數學技巧	Time Spent 所花時間	Parent Signature 家長簽署
7/2 to 7/8			
7/9 to 7/15			
7/16 to 7/22			

Approved Websites for Math Practice (Choose only middle school topics!)

批准登上的數學練習網站（挑選高學高年級題目）

<http://www.khanacademy.com> (sign in with Google – use CPS login)

<http://www.arcademics.com/>

<http://www.coolmath4kids.com/>

<http://www.brainpop.com/>

<http://www.mathsisfun.com/>

Brainpop Username: hainesschool
Password: johnchaines
Enter Code: Haines6to8

<http://www.ixl.com>

<http://www.mangahigh.com> (if you have an account)

<http://www.purplemath.com>

<http://www.learnzillion.com> (if you have an account)

<http://www.xpmath.com>

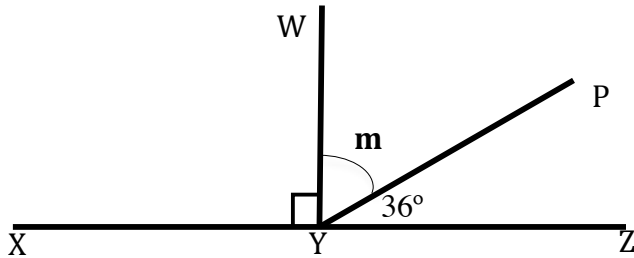
→ Chart continues on back

Week of	Date 日期	Website Used and Skills Practiced 網站名稱和學習了什麼數學技巧	Time Spent 所花時間	Parent Signature 家長簽署
7/23 to 7/29				
7/30 to 8/5				
8/6 to 8/12				
8/13 to 8/19				
8/20 to 8/26				

What's My Angle?

Assessment Task

Can you find the missing angles?



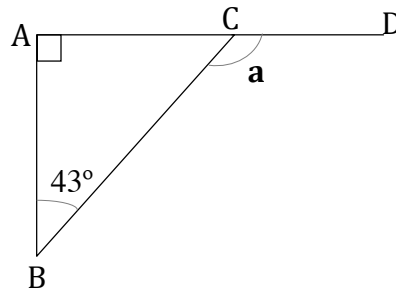
1. XYZ is a straight line, $\angle WYX$ is a right angle, and $\angle PYZ = 36^\circ$.
Find the measure of angle **m**.

m = _____

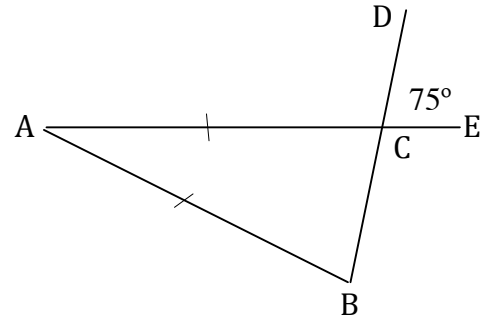
2. In the figure, ACD is a straight line.

Find the measure of angle **a**.

Explain how you figured it out.



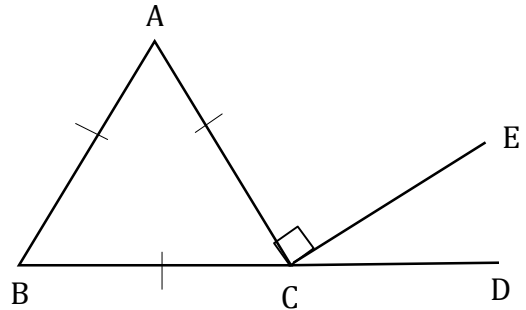
3. In the diagram, $AB = AC$ and $\angle DCE = 75^\circ$, BCD and ACE are straight lines.



$\angle BAC =$ _____

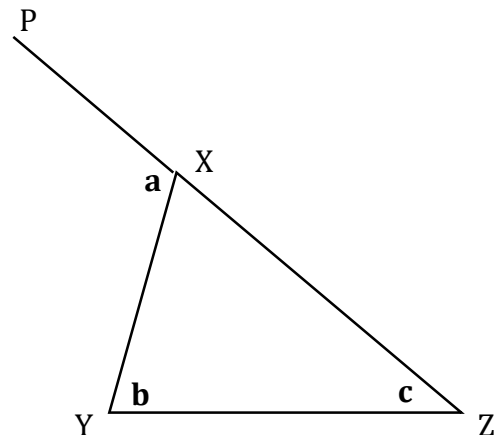
Show how you figured it out

4. BCD is a straight line. $\angle ACE$ is a right angle.



Find the $\angle ECD$. _____

5. Your friend drew the figure that includes a straight line PXZ and $\triangle XYZ$. She said that the measure of angle **a** will always be equal to the sum of the measures of angle **b** plus angle **c**. Justify why the statement is either true or false.



8

Name: _____ Date: _____

Your classroom has triangular shape tables.



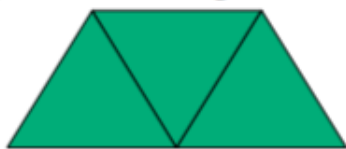
Three students can sit around one table.

Two tables can be pushed together so that two sides are adjacent.



How many students can sit around the tables in this arrangement?

Tables can be added to the arrangement by pushing together tables so that each additional table is adjacent to one side of the row of tables. The arrangement may grow to be a long row of tables.



How many students can sit around three tables in this arrangement?

How many students can sit around with five tables in a row arrangement?

Determine how many students can sit around twelve desks in a row without drawing the arrangement?

Explain how you figured it out.

How many tables in a row are needed to seat 105 students?

Explain your answer.