CP Geometry

Week of October 16-20, 2023 CP Class Period 3

Week: Chapter 2 Sections 2-4 and PSAT

Monday:

Geometry Lesson 2.2 – Day 1: Inductive and Deductive Reasoning Essential Question: How can you use reasoning to solve problems?

Lesson Objective(s): Students will use inductive reasoning.	CC State
Students will use deductive reasoning.	Standards
Previous Learning: Students have a previous understanding of patterns and finding th	e next
terms. They should also be familiar with the word conjecture.	HSG-CO.C.9
New Vocabulary: conjecture, inductive reasoning, counterexample, deductive reason	ing HSG-CO.C.1
	HSG-CO.C.1
	HSG-SRT.B.4

Warmup: Student Journal pg 40 # 2 & 3 complete

Review and continue to pg. 43-44 student journal to finish examples

Start 2.2 Practice A and B ---- due on Friday

Setting up Khan Academy PSAT practice accounts tomorrow

(note 1 student out today for FFA & 4 out Tues for Speech)

Tuesday ---- 1/4 of students out for Speech

Either using individual student accounts for Khan Academy PSAT or displayed with my teacher account do through some sample PSAT problems.

See next slides for samples also.

Students not participating can work on Practice 2.2 worksheets A & B

Tuesday - Let's look at the PSAT via Khan Academy or College Board . org

Full-length PSAT/NMSQT to take on paper

🗄 Google Classroom

Congratulations on taking the initiative to prepare for the PSAT/NMSQT! The format and content of the PSAT/NMSQT is almost the same as the SAT, so a great way to start your practice is to use our <u>official SAT practice on Khan</u> <u>Academy</u>. Not sure what the PSAT/NMSQT® is actually about? Read on!

There are actually three different PSAT exams:

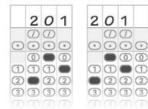
- PSAT 8/9
- PSAT 10
- PSAT/NMSQT

https://www.khanacademy.org/miss ion/sat/practice/math

PSAT Math Overview

Type of Math	Nu	mber of Questions
Heart of Algebra	16	
Problem Solving and Data Analysis	16	
Passport to Advanced Math	14	
Additional Topics in Math	2	Acceptable ways to grid $\frac{2}{3}$ are: 2 / 3 . 6 6 6 6 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Answer: 201-either position is correct



NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.

No-Calculator Portion

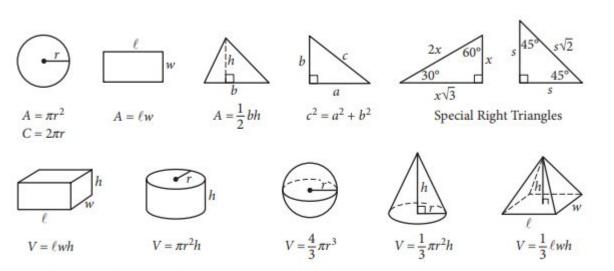
Tîme allotted	25 minutes
Total questions	17
Multiple-choice questions	10
Grid-în questions	4

Calculator PortionTime allotted45 minutesTotal questions31Multiple-choice questions27Grid-in questions4

PSAT SAT formula sheet

which f(x) is a real number.

REFERENCE



The number of degrees of arc in a circle is 360.

The number of radians of arc in a circle is 2π .

The sum of the measures in degrees of the angles of a triangle is 180.

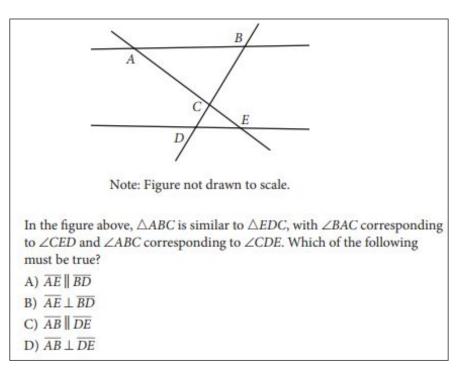
Activat

<u>Review some PSAT</u> <u>problems</u>

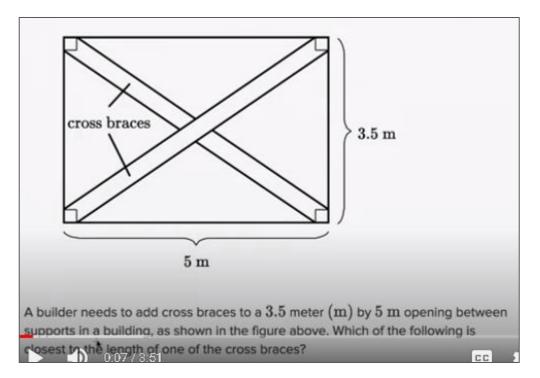
Note: TUESDAY CLUB come for

Bonus points and more PSAT math

Prep work for Thursday.



SAT Sample Problem - after chapter 1



Samples - Quiz on Khan Academy (4 sets of 10)

QUESTION 1 OF 10

Non Calculator

P = 45,000 - 1,000m

People start to leave the stadium at the end of a football game. The number of people, P, that are left in the stadium m minutes after the end of the game is given by the equation above. How many people were present when the game ended but before people started to leave?

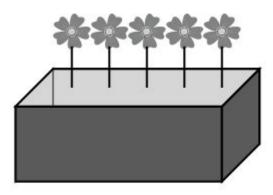
Report

A 25,000 people	
B 35,000 people	
C 45,000 people	
D 55,000 people	
E I would be guessing.	

Calculator Quiz 4 --- note it has 11 questions.

QUESTION 1 OF 11

🕛 Report



A flower box in the shape of a right rectangular prism is made of thin metal, shown above. The box has length 90 centimeters (cm), width 45 cm, and height 45 cm. The box is 85 percent filled with soil. Each bag of soil holds 1 cubic foot (ft³), and 1 ft³ is approximately 28,316 cubic centimeters (cm³). How many bags of soil are needed to finish filling the flower box?

Wednesday

- Watch the STEM Performance video off dynamic classroom on TIGERS.
 - <u>https://youtu.be/7dvFWTrQ2Nk</u>
- Complete the Performance Video Worksheet due Friday

• Work on more PSAT problems

Thursday:

• Over ½ class out for PSAT test --- rest will work on the khan academy PSAT practice work or 2.2 Practice & Performance worksheets

Friday : Section 2.3

Collect all worksheet to review next week.

Using Student Journal pg. 44 & 45 Exploration #2 complete

Discuss as notes the postulate statements and diagram use

Complete Student Journal pg. 47 & 48 exercises.

Assign Puzzletimes from section 1,2,&3 to complete as Homework.