

# Geometry

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

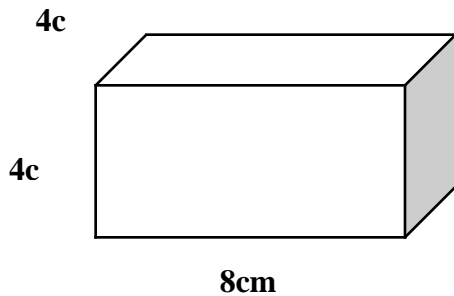
Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

Comments: \_\_\_\_\_

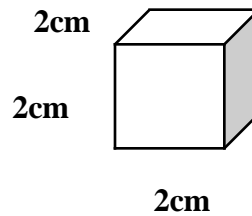
(Geometry)

## Playo Cubes

Playo cubes are 2cm X 2cm X 2cm. They are sold in a box that is 4cm X 4cm x 8cm. How many cubes can fit into one big box?



**BIG BOX**



**PLAYO**

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

Comments: \_\_\_\_\_

(Geometry)

## Laying the Sod

---

Trevor and his dad plan to begin laying sod in their backyard at 8:00 a.m. They yard is rectangular and is 20 feet long and 15 feet wide. If Trevor and his dad can each lay 20 square feet of sod every hour, what time will it be when they are finished? Explain your answer and your thinking.

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

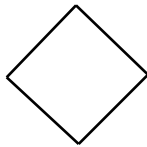
Comments: \_\_\_\_\_

(Geometry)

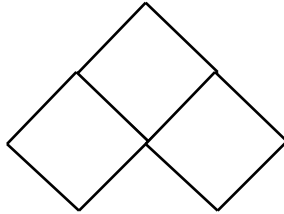
## Diamond Mosaic

---

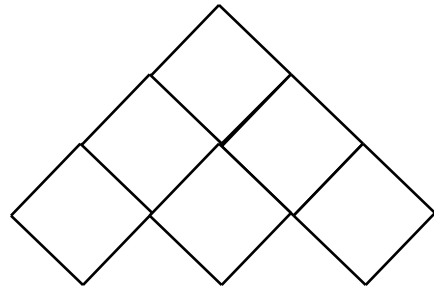
Rickie has been watching some artists making a tile mosaic with square tiles of many colors. The artists build 1 row at a time and their first three steps shown below illustrate how the first three rows would look.



1



2



3

The pattern continues in this way until the widest row consists of ten tile squares. Then, the design decreases back to one by repeating the pattern in reverse. How many tiles will the artists use altogether? Explain your thinking.

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

Comments: \_\_\_\_\_

(Geometry)

## Toothpick Triangles

---

Jason has 6 equal-sized toothpicks and some clay. He tries to connect the toothpicks with tiny bits of clay to form 4 equilateral triangles. If he does not break any of the toothpicks, draw a sketch to show how he accomplished his goal? Explain your answer(s) and your thinking.

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

Comments: \_\_\_\_\_

(Geometry)

## Ted's Task

---

To make a rectangular pen for his new pony, Ted will use an existing 100-foot-long fence as one side of the pen. He is going to use 96 meters of new fencing to complete the remaining three sides of the pen. What are the dimensions of the pen that would give him the largest area inside for his pony to play in? Explain your answer(s) and your thinking.

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

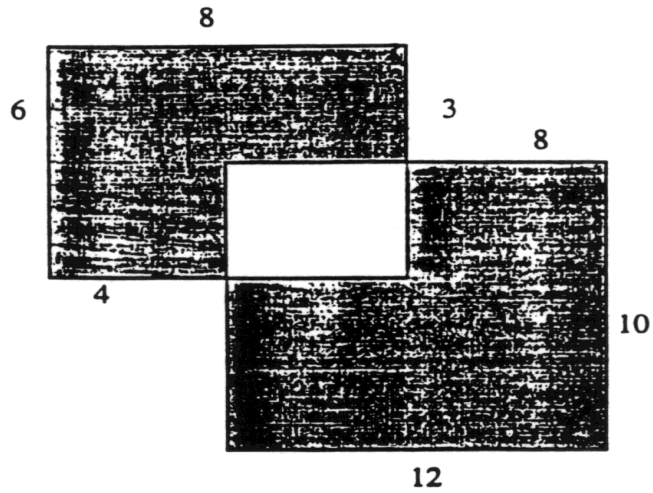
Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

Comments: \_\_\_\_\_

(Geometry)

## Shaded Areas

Determine the area of the shaded region. Explain your answer(s) and your thinking.



5G06

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

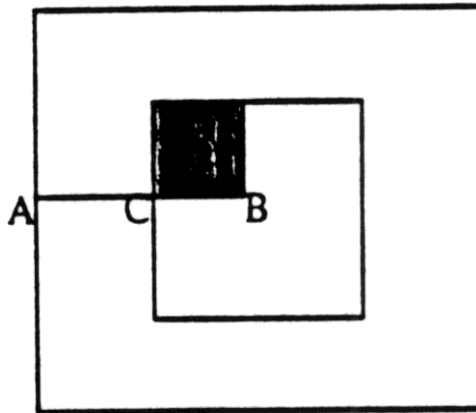
Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

Comments: \_\_\_\_\_

(Geometry)

## Squares in Squares

In the two squares,  $AB$  is twice as long as  $CB$ . If the large square has an area of sixteen square feet, what is the area of the shaded region. Explain your answer(s) and your thinking.



5G07

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

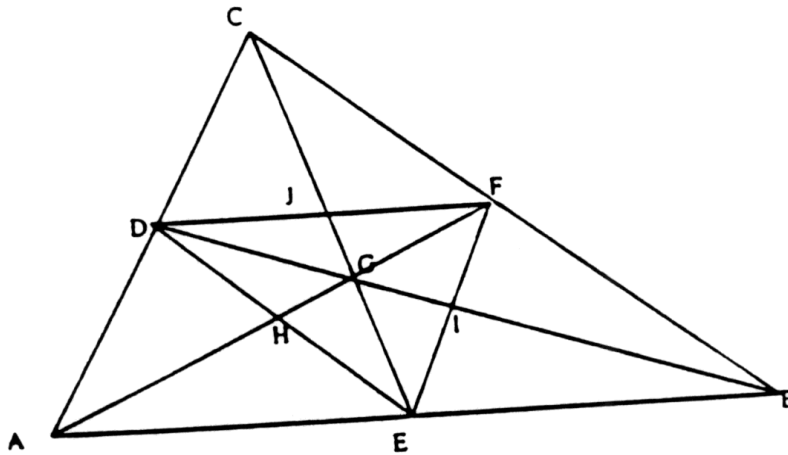
Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

Comments: \_\_\_\_\_

(Geometry)

## Triangle Tricks

How many different triangles are in this figure? Explain your answer(s) and your thinking.



5G08

Scorer	CU	PS	V	C	Acc

Name \_\_\_\_\_

Date \_\_\_\_\_

Teacher \_\_\_\_\_

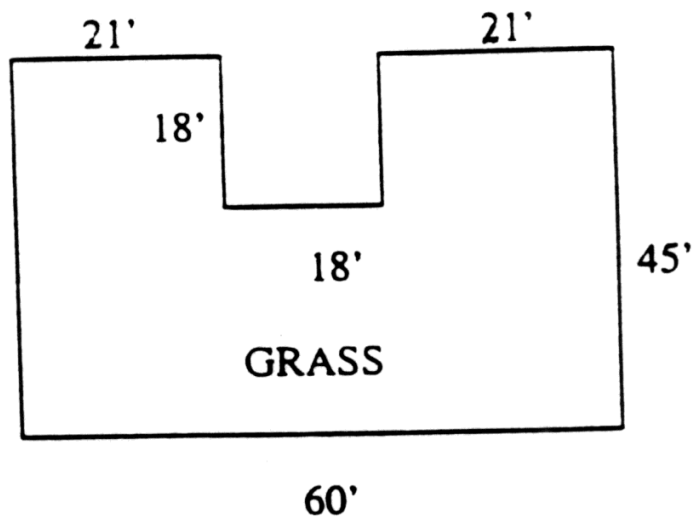
Exceeds    Meets    Does Not Yet Meet    On-Demand    Revised/Redone    Modified

Comments: \_\_\_\_\_

(Geometry)

## Summer Jobs

Yukio mows lawns during the summer. How many square feet of grass did she mow on the lawn below? Explain your answer(s) and your thinking.



5G09