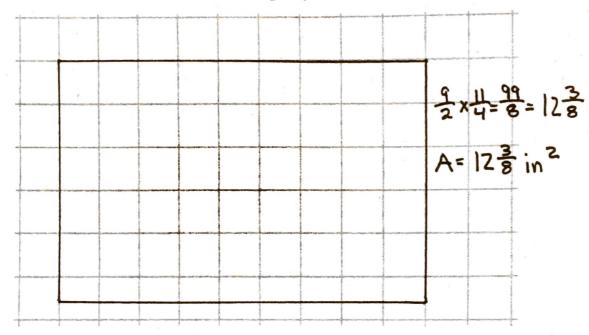
Name Jean

Date

1. Use your ruler to draw a rectangle that measures $4\frac{1}{2}$ by $2\frac{3}{4}$ inches, and find its area.



- 2. Heather has a rectangular yard. She measures it and finds out it is $24\frac{1}{2}$ feet long by $12\frac{4}{5}$ feet wide.
 - a. She wants to know how many square feet of sod she will need to completely cover the yard. Draw the yard, and label the measurements.

12号针

449 576 + 2560 3,136

b. How much sod will Heather need to cover the yard?

12 \$ x 24 2 = 64 x 49 = 3131 = 1568 = 313 5

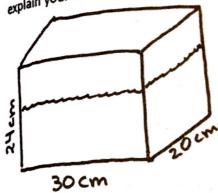
She'll need 313 3 ft of sod to cover her yard.

c. If each square foot of sod costs 65 cents, how much will she have to pay to cover her yard?

A rectangular container that has a length of 30 cm, a width of 20 cm, and a height of 24 cm is filled with A rectangular command and a depth of 15 cm. When an additional 6.5 liters of water is poured into the container, some water to a depart.

Water to a depart.

Water overflows. How many liters of water overflow the container? Use words, pictures, and numbers to water overflows. (Remember 1 cm³ = 1 mL.) explain your answer. (Remember 1 cm³ = 1 mL.)



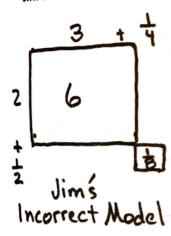
30 × 20 × 24 = 720 × 20 = 14,400 Volume of the container = 14,400 cm3

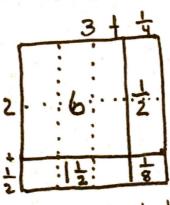
30 x 20 x 15 = 450 x 20 = 9,000 Volume of water 9,000 cm3

14,400 - 9,000 = 5,400
Room left in the container = 5,400 cm³ or 5.4 L

6.5 L-5.4 L= 1.1 L The water overflowed by 1.1 L or 1,100 cm?

4. Jim says that a $2\frac{1}{2}$ inch by $3\frac{1}{4}$ inch rectangle has a section that is 2 inches × 3 inches and a section that is $\frac{1}{2}$ inch × $\frac{1}{4}$ inches. That means the total area is just the sum of these two smaller areas, or $6\frac{1}{8}$ in². Why is Jim incorrect? Use an area model to explain your thinking. Then, give the correct area of the rectangle.

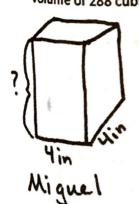


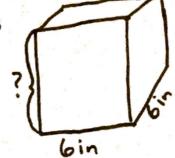


In order to find the area, all sections of the area model must be calculated and added. 6+=+1=+== 87

The area of the rectangle Correct Model

5. Miguel and Jacqui built towers out of craft sticks. Miguel's tower had a 4-inch square base. Jacqui's tower had a 6-inch square base. tower had a 6-inch square base. If Miguel's tower had a volume of 128 cubic inches and Jacqui's had a volume of 288 cubic inches, whose tower was taller? Explain your reasoning.





height of 8 in.

1 divided the

288 volumes by

The bases and

get a height of 8 in.

Read the statements. Circle True or False. Explain your choice for each us	sing words and	d/or pictures.
a. All parallelograms are quadrilaterals. All completograms have 4 straight	True	False
All parallelograms have 4 straight sides, so all parallelograms are a to	ype of	guadri lateral
b. All squares are rhombuses. All rhombuses have 4 equal sides, a some rhombuses do not have 4 rical rhombuses are squares.	nd so d ght ang	False to all squares les, so hot
c. Squares are rhombuses, but not rectangles.	True	False
All squares are both rhoubuses and and rhowbuses both have 4 equal and rectangles both have 4 fight d. The opposite angles in a parallelogram have the same measure. The opposite sides of are parallel and equal four angles always add up to 3 angles are always equal. e. Because the angles in a rectangle are 90°, it is not a parallelogram. All rectangles are parallelograms rectangles have 2 pairs of parallelograms.	paralle paralle sbo°. C	gles. Squares Squares les. False elograus length. The pposite False
f. The sum of the angle measures of any trapezoid is greater than the superallelogram. The sum of the 4 angles of any including trapezoids and parallelogram 360°. g. The following figure is a parallelogram. Opposite angles in a are always equal. I these angles (60° the sum is only 350°. Therefore, the or can't be equal, and this isn't a the angles need to add up to 360°.	True True True True Parall f you on the angulation True	False False False False False False Let ogram Let o
The angles need to add up to 3600	-	0