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GEOMETRY (UNIT 4)

Ch 9- Area

Ch 10- Volume, Surface Area

- ① Area is a measure of the surface of a plane. It is in square units. The area measured doesn't have to be a square to be reported as a measure of square units.
- ② Volume is a measure of how much mass (or amount of how much an object holds). Volume is a 3D measure. How many cubes fill the object?
To get volume - area of the base \times height

Two Sheet

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* height

Tues Sheet

p. 657

Polygon - closed figure, lines + angles

Quadrilaterals - 4-side polygons

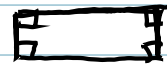
parallelogram - quad with set sets parallel sides



rhombus -
parallelogram with
all congruent sides.



rectangle -
parallelogram with
all congruent angles

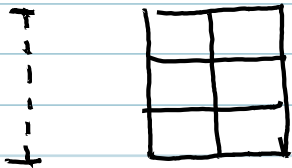


360°

Square - rectangle with congruent sides
(also a rhombus)

Area of parallelogram

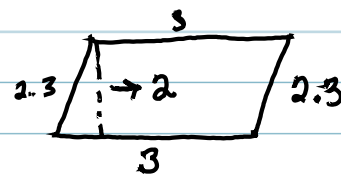
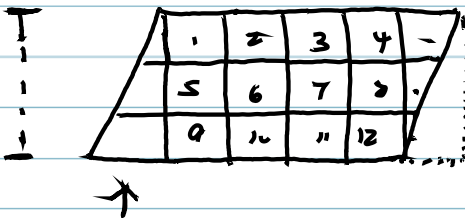
3



rectangle = 6 sq. units

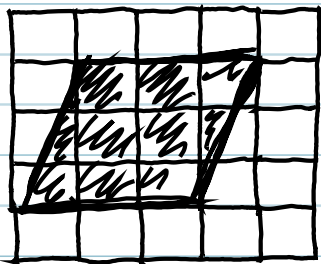


$l = 2$
 $w = 2$



P665 HW (1-9)
667

①



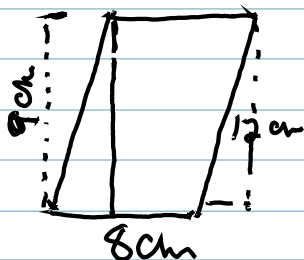
9 sq. units

$$A = b \cdot h$$

$$A = 3 \cdot 3$$

$$A = 9 \text{ sq. units}$$

③



reflection of #3

$$A = b \cdot h$$

$$A = 8 \cdot 9$$

$$A = 72 \text{ sq. units.}$$