Name: _____ Class: 4A___ Date: 01/02/2021

11. Area of Rhombus

A. Visual learning

How can you Find the Area of a Rhombus?

The pendant at the right is the shape of a rhombus with one side of 4cm.

What is the area of the pendant?



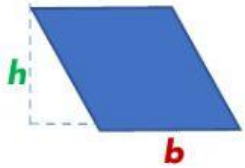
The area of the parallelogram is $A = b \times h$

$A = 4 \times 3 = 12\text{cm}^2$

The area of the pendant is 12cm^2.

Formula for the area of a rhombus is

$A = b \times h$



b *is the* ***base*** *and* ***h*** *is the* ***height*** *with the same unit of measure.*

B. Vocabulary

parallelogram: _____ rhombus: _____

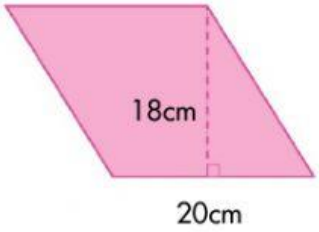
formula: _____ base: _____

area: _____ height: _____

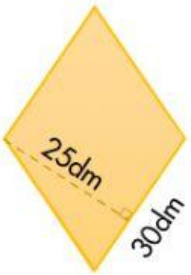
C. Independent practice

In **1** – **3**, *find the area of each figure.*

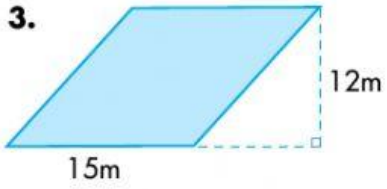
1.



2.



3.



A = _____ A = _____ A = _____

= _____ = _____ = _____

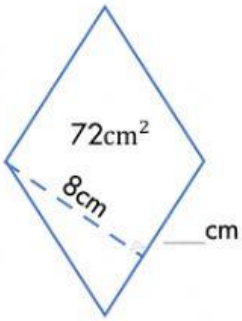
4. The area of a kite shaped like a rhombus is 368cm^2.

If the length of the base is 23cm, what is the height?

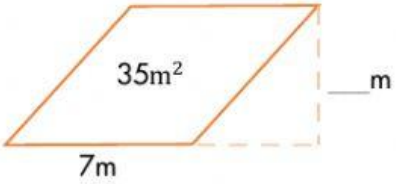
A. 16cm B. 18cm C. 24cm D. 28cm

In **5** – **6**, *find the missing lengths and fill in the blanks.*

5.



6.



_____ = _____ _____ = _____

7. What is the area of the rhombus highlighted in the origami figure below?

Equation: _____

Word answer: _____

_____

