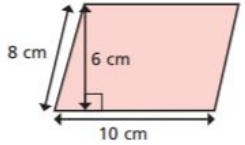
Monday- Yr 5&6 Maths - All

Huan is finding the area of the parallelogram.



$10 \times 8 = 80$ cm²

a) What mistake has Huan made?

_____

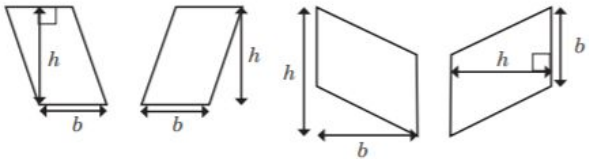
_____

b) What is the correct answer?

area = ☐ cm²

Esther has labelled the bases and heights for four parallelograms.

Three are correct; one is incorrect. Tick the shapes that have been correctly labelled.

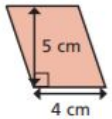


☐ ☐ ☐ ☐

Explain to a partner why one is incorrect.

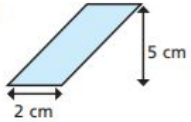
Calculate the areas of the parallelograms.

a)



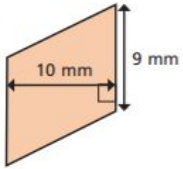
area = ☐ cm²

b)



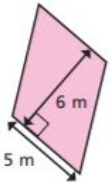
area = ☐ cm²

c)



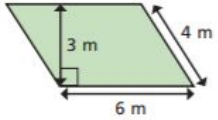
area = ☐ mm²

d)



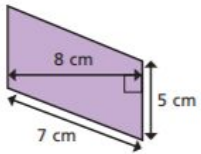
area = ☐ m²

e)



area = ☐ m²

f)

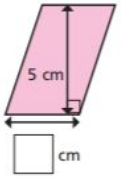


area = ☐ cm²

Monday- Yr 5&6 Maths - ** and ***

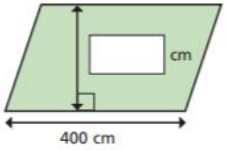
Find the missing lengths.

a)



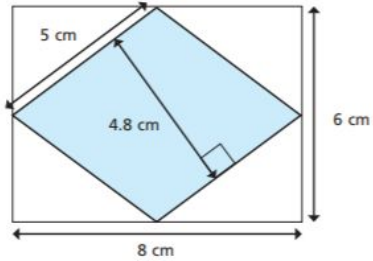
area = 15 cm²

b)



area = 12 m²

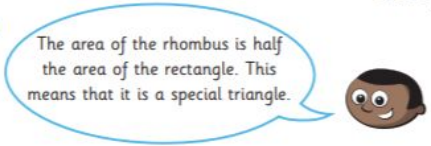
Here is a rhombus inside a rectangle.



a) Calculate the area of the rhombus.

area = ☐ cm²

b)

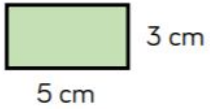


Explain to a partner why Mo is wrong.

Dora and Eva are creating a mosaic.

They are filling a sheet of paper this size.

Dora is using tiles that are rectangular.



Eva's tiles are parallelograms.

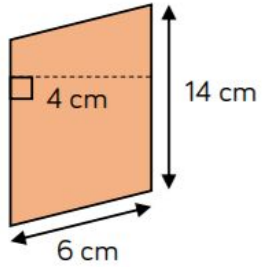
Dora thinks that she will use fewer tiles than Eva to fill the page because her tiles are bigger.

Do you agree? Explain your answer.

Teddy has drawn a parallelogram.

The area is greater than 44 m² but less than 48 m².

What could the base length and the perpendicular height of Teddy's parallelogram be?



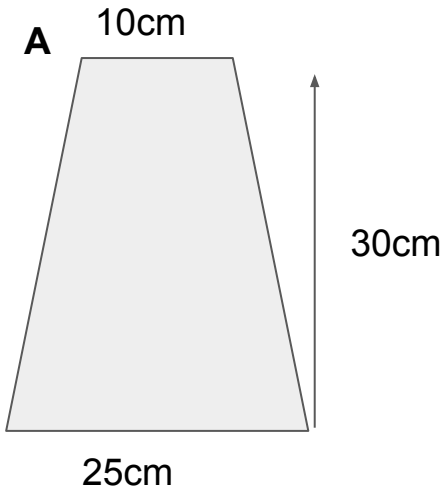
Dexter thinks the area of the parallelogram is 84 cm².

What mistake has Dexter made?

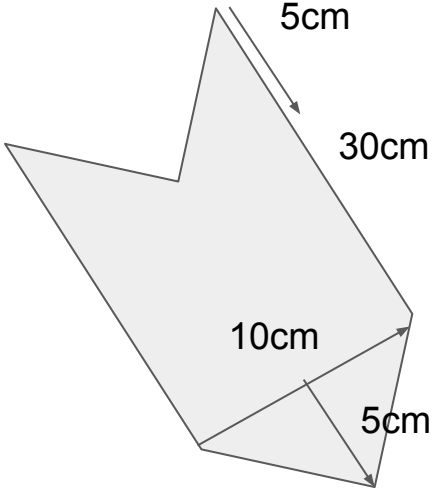
What is the correct area?

Tuesday - Yr 5&6 Maths - ** and ***

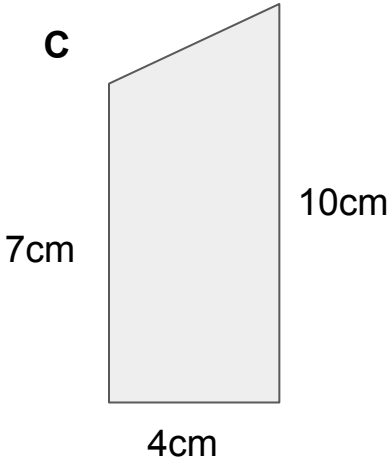
A



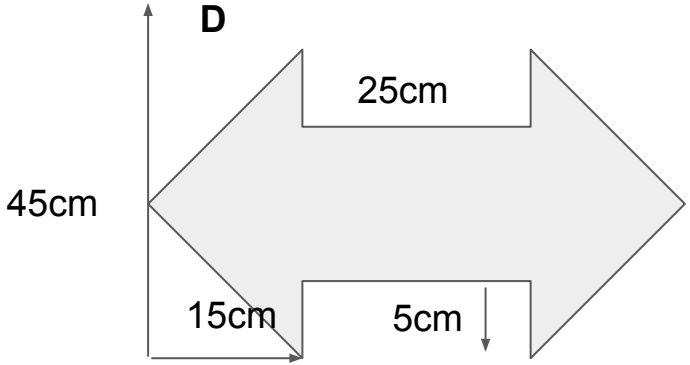
B



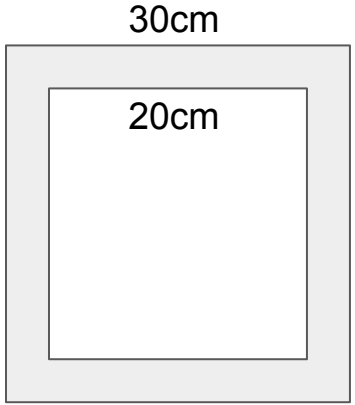
C



D



E



Wednesday - Yr 5&6 Maths - All

What is the volume of each 3D shape?

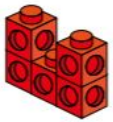
a)

volume = ☐ cubes

b)

volume = ☐ cubes

c)

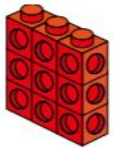


volume = ☐ cubes

d)

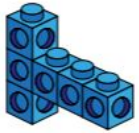
volume = ☐ cubes

e)

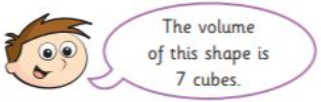


volume = ☐ cubes

f)



volume = ☐ cubes



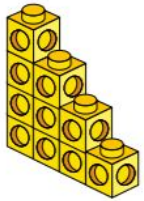
Do you agree with Teddy? _____

Explain your answer.

Each cube has a volume of 1 cm³

What is the volume of each shape?

a)

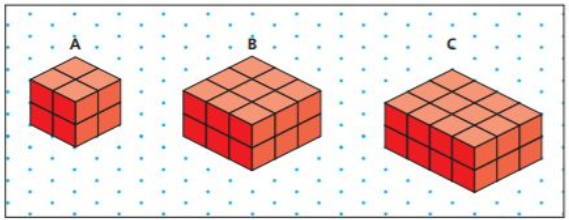


volume = ☐ cm³

b)

volume = ☐ cm³

Three cuboids are drawn on isometric paper.



a) How many cubes are needed to make each cuboid?

A ☐ cubes B ☐ cubes C ☐ cubes

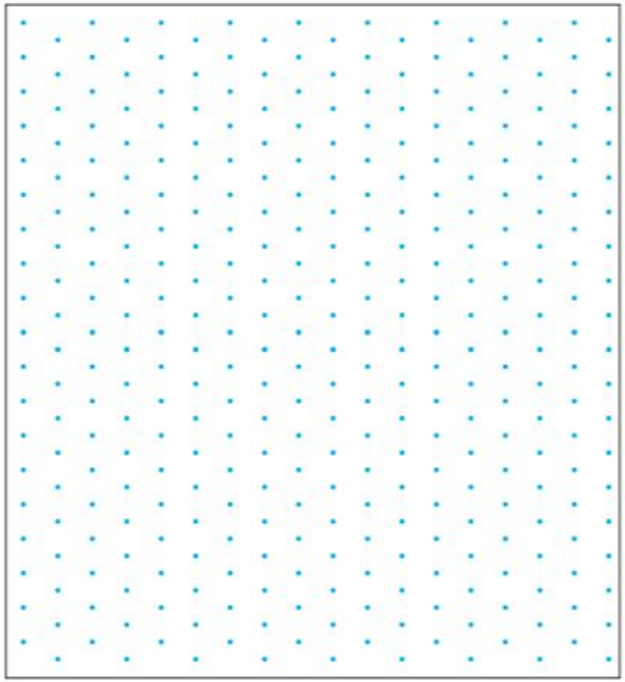
b) If each cube has a side length of 1 cm, what is the volume of each cuboid?

A ☐ cm³ B ☐ cm³ C ☐ cm³

Ron is making 3D shapes using 10 cubes.

a) Use cubes to investigate the different shapes Ron can make.

b) Draw three of your shapes on the isometric paper.



c) What is the volume of each of your shapes? ☐ cubes

Thursday - Yr 5&6 Maths - All

How many possible ways can you make a cuboid that has a volume of $12cm^3$?

My shape is made up of 10 centimetre cubes.

The height and length are the same size.

What could my shape look like?

Create your own shape and write some clues for a partner.