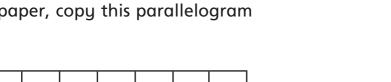
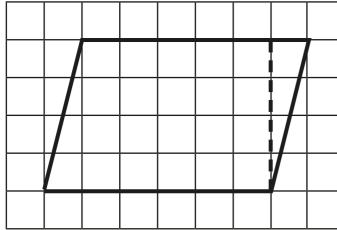
Area of a parallelogram



On a piece of squared paper, copy this parallelogram and cut it out.



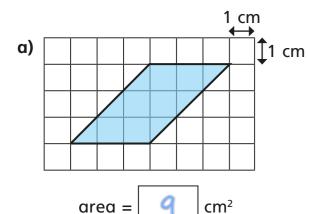


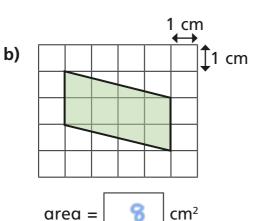
- a) Create a rectangle by cutting off the right-angled triangle and moving it.
- b) Complete the sentences.

The area of the rectangle is squares.

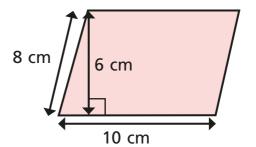
The area of the parallelogram is 24 squares.

Calculate the areas of the parallelograms.





Huan is finding the area of the parallelogram.



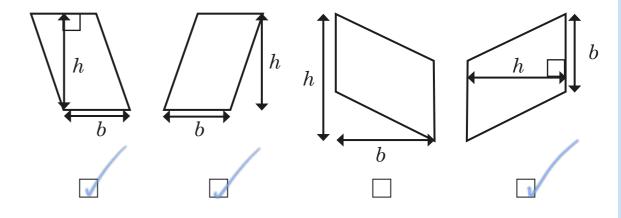
$$10 \times 8 = 80 \text{ cm}^2$$

a) What mistake has Huan made?

b) What is the correct answer?

Esther has labelled the bases and heights for four parallelograms.

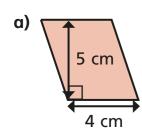
Three are correct; one is incorrect. Tick the shapes that have been correctly labelled.

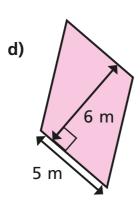


Explain to a partner why one is incorrect.



Calculate the areas of the parallelograms.



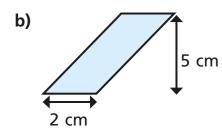


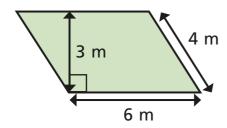
e)

f)

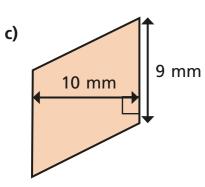
area =
$$20$$
 cm²

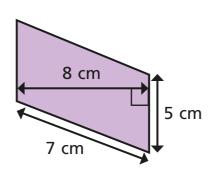
area =
$$30$$
 m²





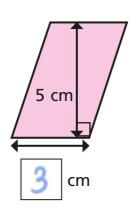


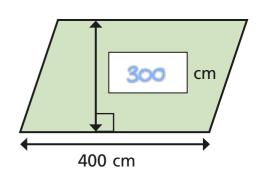




6 Find the missing lengths.

a)

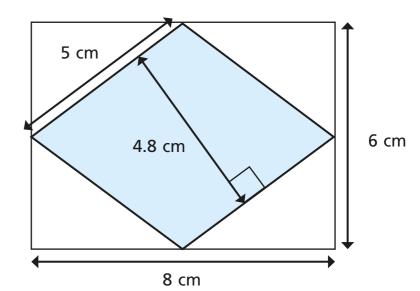




 $area = 15 cm^2$

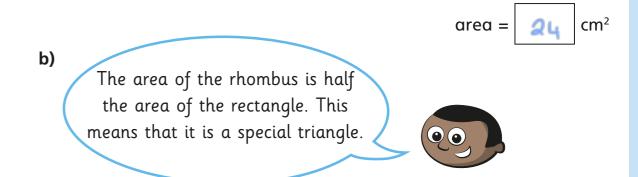
$$area = 12 m^2$$

7 Here is a rhombus inside a rectangle.



b)

a) Calculate the area of the rhombus.



Explain to a partner why Mo is wrong.



