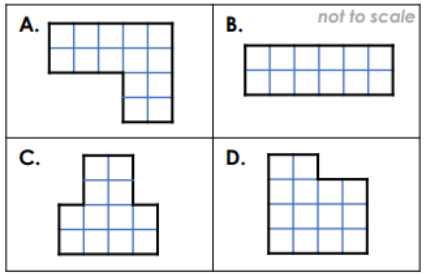
Shapes – same area

08/02/2021

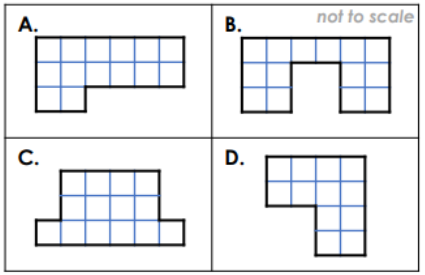
1

1a. Circle the shapes with an area of 12cm².



= 1cm²

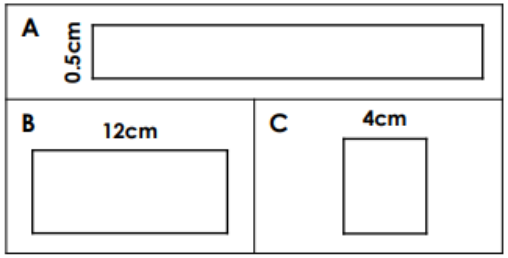
1b. Circle the shapes with an area of 14cm².



= 1cm²

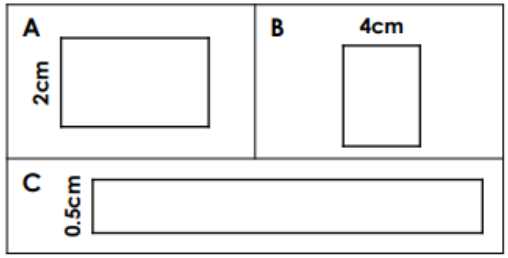
2

8a. All of these rectangles have an area of 36cm².



Complete the missing lengths.

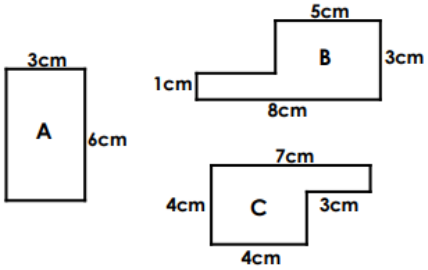
8b. All of these rectangles have an area of 32cm².



Complete the missing lengths.

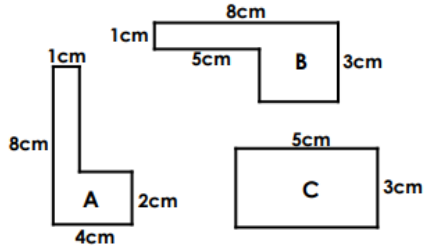
3

2a. True or false? All of these shapes have the same area.



Explain your answer.

2b. True or false? All of these shapes have the same area.



Explain your answer.

4

3a. Zak is experimenting with the area of rectangles.

He says,

"If a rectangle has an area of 24cm², the length of it could be 6cm."

Is he correct? Explain why.

3b. Ruby is experimenting with the area of rectangles.

She says,

"If a rectangle has a length of 8cm, and the unknown length is an integer, the area could be 27cm²."

Is she correct? Explain why.