



Area and Perimeter

Shapes with same area

5a. Circle the shapes with an area of 84cm^2 .

A.

B. *not to scale*

C.

★
 $\square = 1\text{cm}^2$
VF

5b. Circle the shapes with an area of 65cm^2 .

A. *not to scale*

B.

C.

★
 $\square = 1\text{cm}^2$
VF

8a. All of these rectangles have an area of 36cm^2 .

A

B

C

Complete the missing lengths.

★
not to scale
VF

8b. All of these rectangles have an area of 32cm^2 .

A

B

C

Complete the missing lengths.

★
not to scale
VF

5. Match these shapes to their area.

A

B

C

33.5cm^2

33cm^2

★
not to scale
VF
HW/Ext

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

He says,

"If a rectangle has an area of 24cm^2 , the length of it could be 6cm ."

Is he correct? Explain why.



R

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 27cm^2 ."

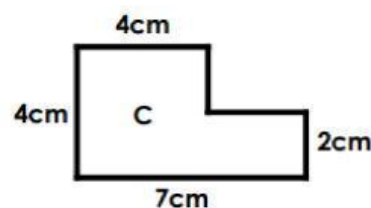
Is she correct? Explain why.



R

6. Justin has sorted shapes into a table.

Area is 22cm^2	Area is not 22cm^2
Shape A	Shape B



Is he correct? Prove it.

Where would shape C go in the table?



not to scale

RPS
HW/Ext