Corbett maths

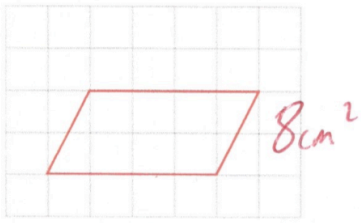
Area: Parallelograms

Video 44 on www.corbettmaths.com

Workout

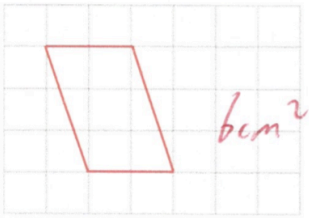
Question 1: The following parallelograms are drawn on centimetre-squared paper. Find the area of each.

(a)



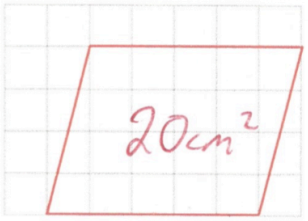
$8cm^2$

(b)



$6cm^2$

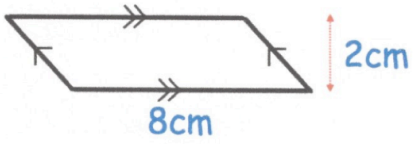
(c)



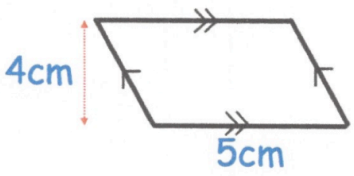
$20cm^2$

Question 2: Work out the area of each of the parallelograms below. Include suitable units.

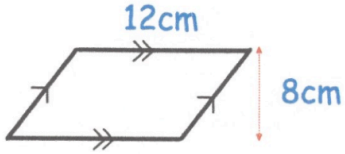
(a) $16cm^2$



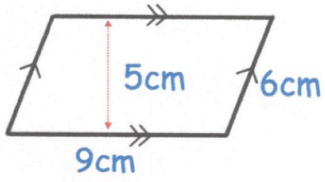
(b) $20cm^2$



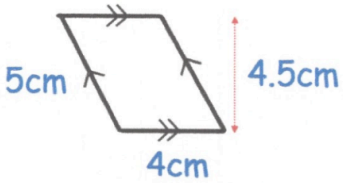
(c) $96cm^2$



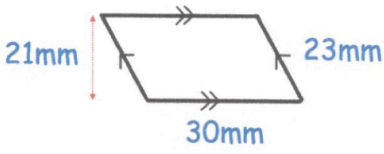
(d) $45cm^2$



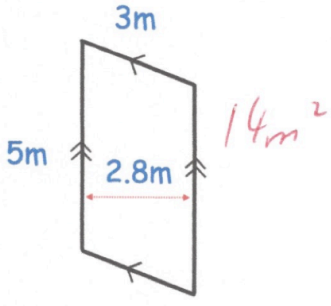
(e) $18cm^2$



(f) $630mm^2$

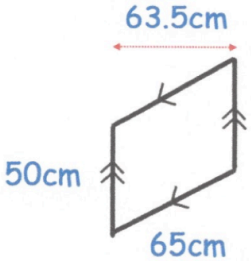


(g)



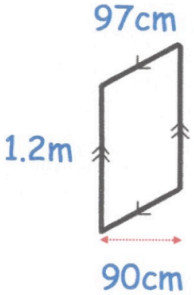
$14m^2$

(h)



$3175cm^2$

(i)



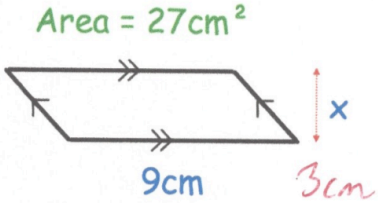
$1.08cm^2$

Question 3: A parallelogram has a base of 8cm and a perpendicular height of 6cm. Calculate the area of the parallelogram.

$48cm^2$

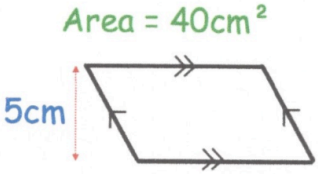
Question 4: The areas of each of the parallelograms has been given.
Calculate the length of the missing sides.

(a)



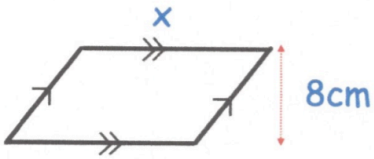
3cm

(b)

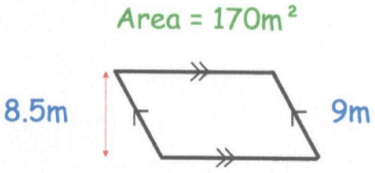


8cm

(c) 12cm

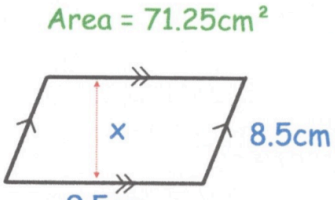


(d)



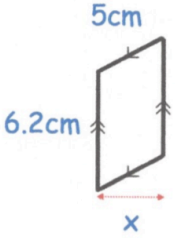
20m

(e)



7.5cm

(f)

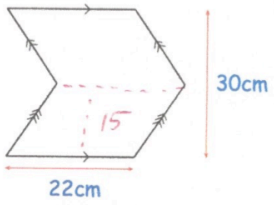


Area = 29.14cm²

4.7cm

Apply

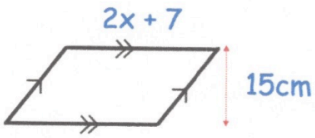
Question 1: The logo below is created by joining two congruent parallelograms.
Calculate the area of the logo.



15 × 22 = 330

660cm²

Question 2: Find x



Area = 615cm²

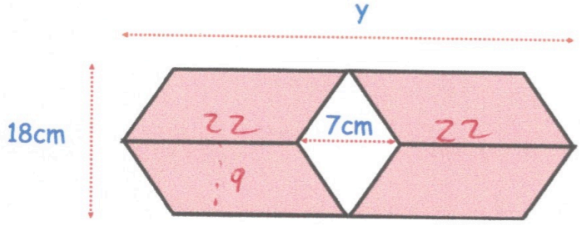
2x + 7 = 41

x = 17cm

Question 3: A shape is made from 4 congruent parallelograms.
The area of the shape is 792cm²
Find y

792 ÷ 4 = 198

198 ÷ 9 = 22



22 + 7 + 22 = 51cm