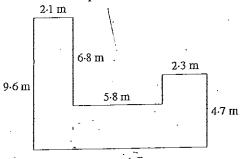
## Chapter 3

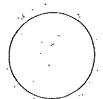
Name:

1. Calculate the perimeter of this figure.



.

2. Chris has made a circular cushion of radius 20 cm.

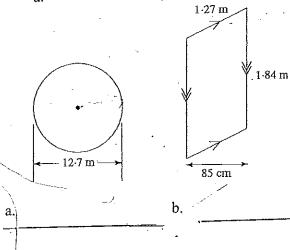


Lace to be attached around the outside edge needs to be  $2\frac{1}{2}$  times the length before being gathered up to fit. What length of lace is needed before it is gathered? (Answer to the nearest cm.)

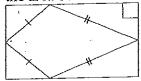
1			
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3. Find the areas of these figures, giving your answers to the nearest 0.1 m<sup>2</sup>.

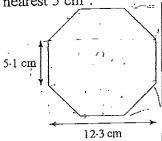
a.




4. A kite is inscribed in a rectangle whose dimensions are 70 cm and 33 cm. What is the area of the kite?

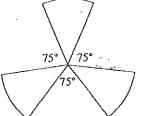


7. Find the area of the regular octagon, to the nearest 5 cm<sup>2</sup>.



5. A rhombus has an area of 86 cm<sup>2</sup>. One diagonal is 12.9 cm long. Find the length of the other diagonal.

6. The figure below has been cut out of a circular sheet of cardboard of radius 15 cm.



a. Calculate the perimeter, to 4 significant figures.

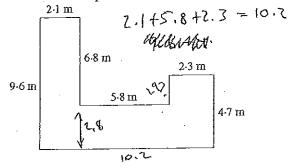
b. Calculate the area, to 1 decimal place.

## Chapter 3 Test

Chapter 3: Test

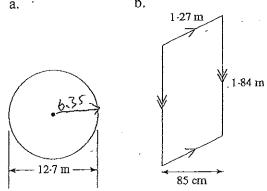
Name: Renega Love 9144

1. Calculate the perimeter of this figure.



p=9.6+2.1+	-6.8+5.8+1	, 9 +2,3+4,7
+10.7	/	
=43.4.m	13	

3. Find the areas of these figures, giving your answers to the nearest 0.1 m<sup>2</sup>.



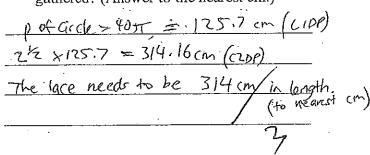
a. T ×/6.352)	b. a =0.85 x 1.84
= 126,676	-156,47
=126:7m2	=1.8m2 < 1.4

2. Chris has made a circular cushion of radius 20 cm.



3

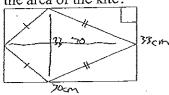
Lace to be attached around the outside edge needs to be  $2\frac{1}{2}$  times the length before being gathered up to fit. What length of lace is needed before it is gathered? (Answer to the nearest cm.)



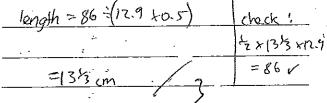
6. a) 
$$f = 6r + \frac{135}{360} \times 2\pi r$$
  
=  $6 \times 15 + \frac{3}{8} \times 2\pi \times 5$   
=  $125.3 \text{ cm}$   
b)  $A = \frac{3}{8} \times \pi r^2$   
=  $265.1 \text{ cm}^2$  (to idec. pl)

Chapter 3: Team

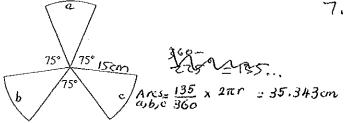
A kite is inscribed in a rectangle whose dimensions are 70 cm and 33 cm. What is the area of the kite?



A rhombus has an area of 86 cm<sup>2</sup>. One diagonal is 12.9 cm long. Find the length of the other diagonal.

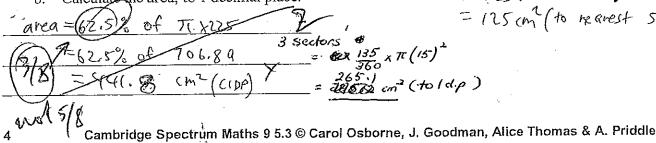


6. The figure below has been cut out of a circular sheet of cardboard of radius 15 cm.

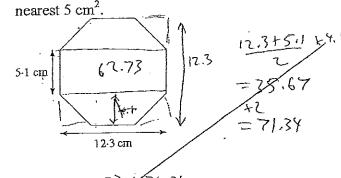


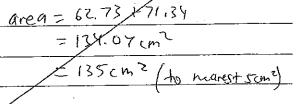
Calculate the perimeter, to 4 significant figures. perimeter

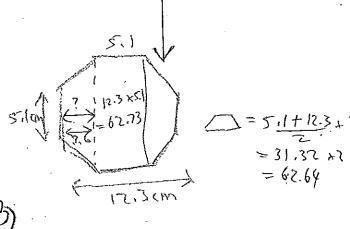
Calculate the area, to 1 decimal place.



Find the area of the regular octagon, to the







area = 62.73 + 62.64 / / = 125.37 cm / / = 125 cm (to rearest 5 cm²)