Name:	Maths Group:	Tutor Set:

Homework Booklet KS3 Levels 3-8

Unit 2 – Area and Perimeter

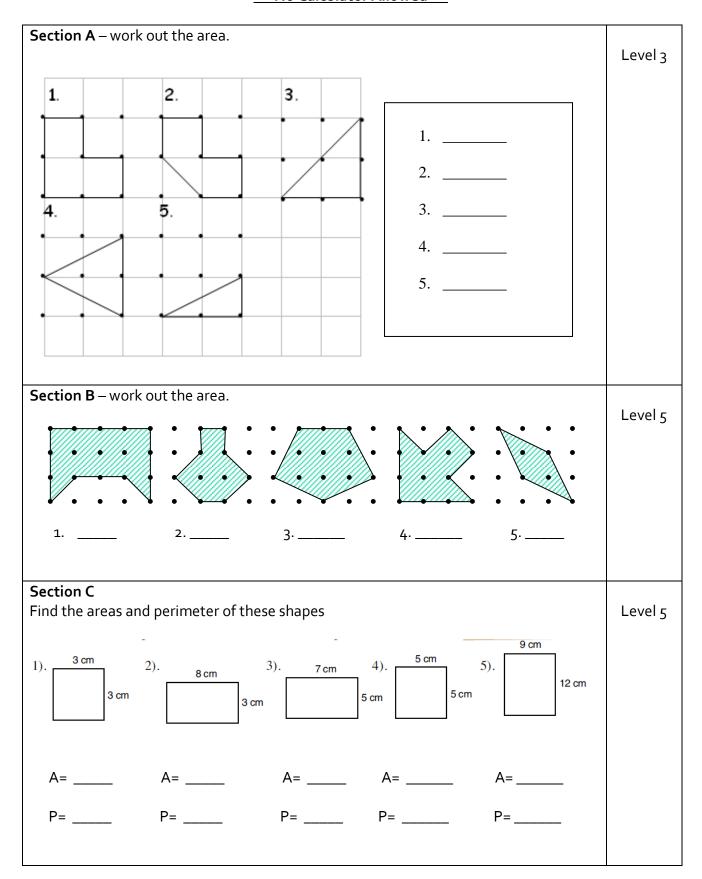
Remember to use the back of a page if you need more working out space.

Complete this table indicating the homework you have been set and when it is due by.

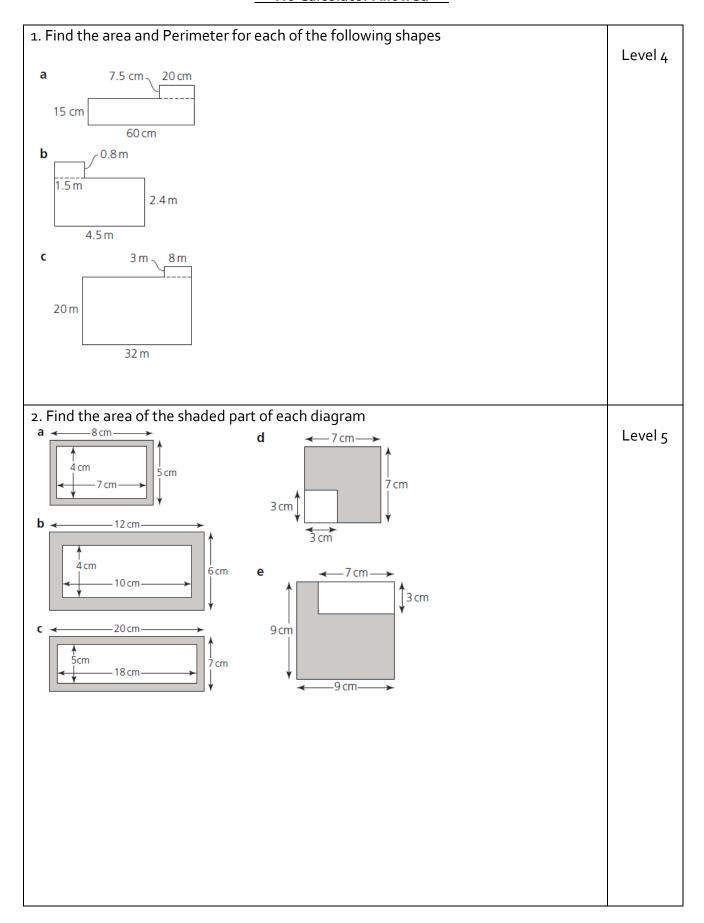
Date	Homework	Due By

Please take care of the booklet as you will be required to make a donation to replace it if lost or damaged beyond use.

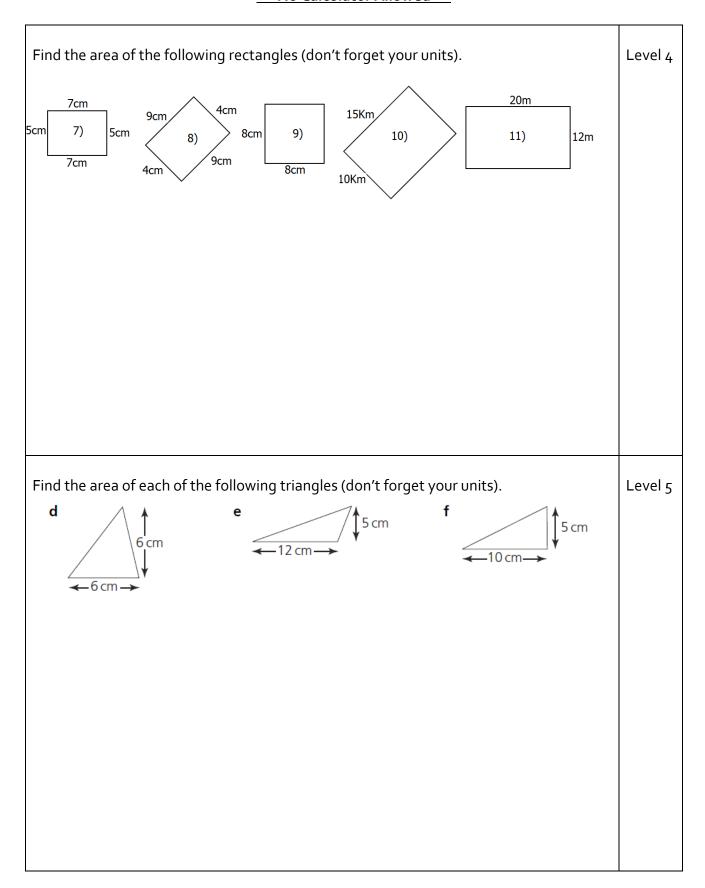
<u>U2 – Area & Perimeter</u> <u>Introducing Area and Perimeter</u> ** No Calculator Allowed **



<u>U2 – Area & Perimeter</u> <u>Shapes made from Rectangles</u> ** No Calculator Allowed **

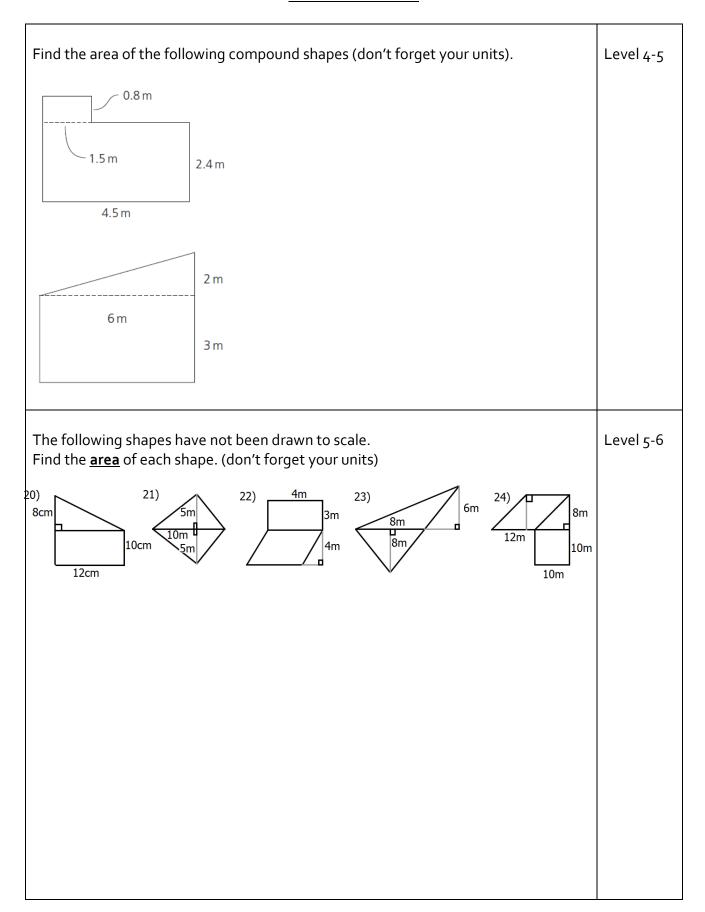


<u>U2 – Area and Perimeter</u> <u>Area of Triangle, Parallelogram and Trapezium</u> ** No Calculator Allowed **



Find the area of each of the following parallelograms (don't forget your units). Level 5 b -9 cm → Find the area of each of the following trapezium (don't forget your units). Level 5 b c 7 cm 5 cm 12 mm 18 mm - 9 cm – -12 cm-15 mm

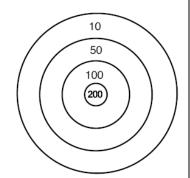
<u>U2 – Area and Perimeter</u> <u>Area of Compound Shapes</u> <u>Calculator Allowed</u>



<u>U2 — Area and Perimeter</u> <u>Circles</u> <u>Calculator Allowed</u>

Calculate the circumference of a circle with	Level 6
a) Diameter 5cm	
b) Diameter 8cm	
c) Radius 3cm	
d) Radius 2.5cm	
e) Diameter 2.7cm	
2) Calculate the area of a circle with	
a) Radius 4cm	
b) Radius 5cm	
c) Diameter 9cm	
d) Diameter 8.4cm	
e) Radius 1.2cm	
3) Paul goes for a short cycle ride. Each wheel on his bike has a radius of 27cm. His distance counter tells him the wheel has rotated 650 times. Find how far he has travelled in metres.	Level 7

4) This is the target used in archery competitions. It is made up of four regions. Scores for hitting a region are shown.



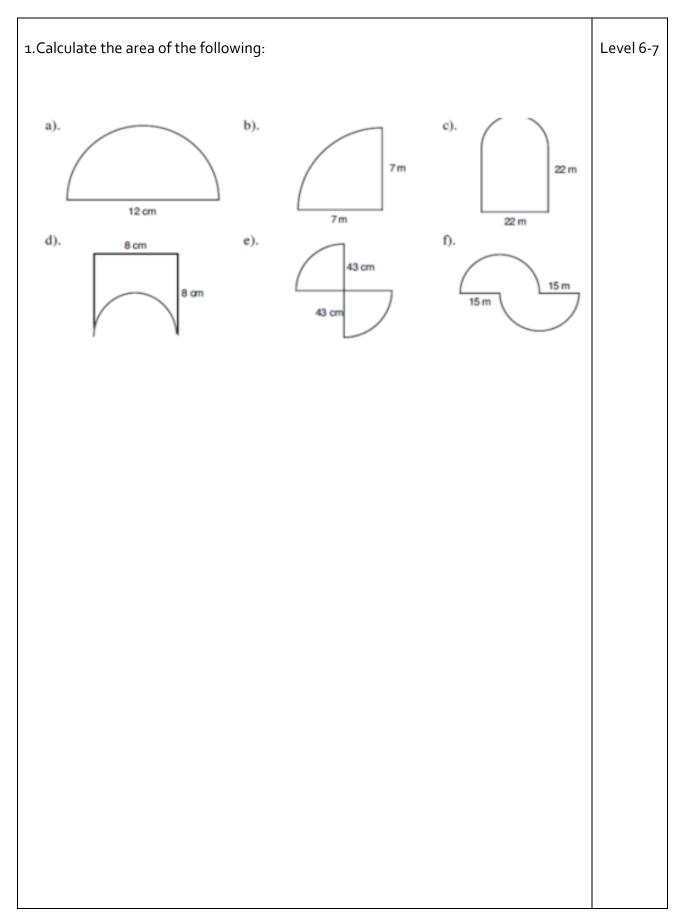
Level 7

a) The region worth 200 points has a radius of 15cm Calculate the area of this region.

The radius increases by 15cm for each ring. Hence the Outer rim of 100 points is 30cm away from the centre.

b) Find the area of the 100 points region.

<u>U2 — Area and Perimeter</u> <u>Circles</u> <u>Calculator Allowed</u>



<u>U2 – Area and Perimeter</u> <u>Circles – Arcs and Sectors</u> <u>Calculator Allowed</u>

