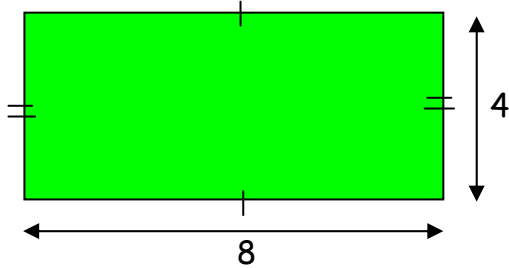


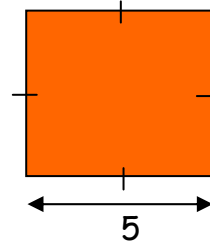
Areas Worksheet.

Find the areas of the following shapes. Remember to look back at the worked examples to help you with the formulas. (In Q15 & 16 work out the shaded areas) (All lengths are in cm)

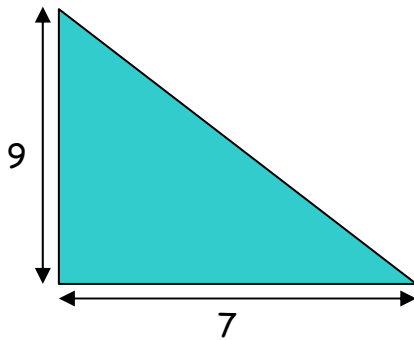
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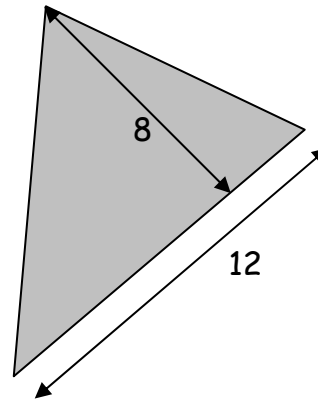
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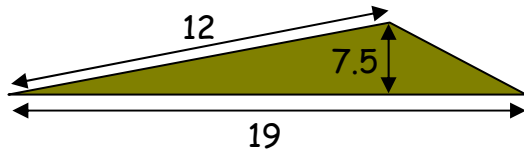
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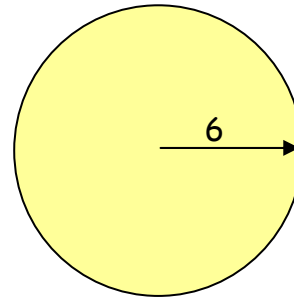
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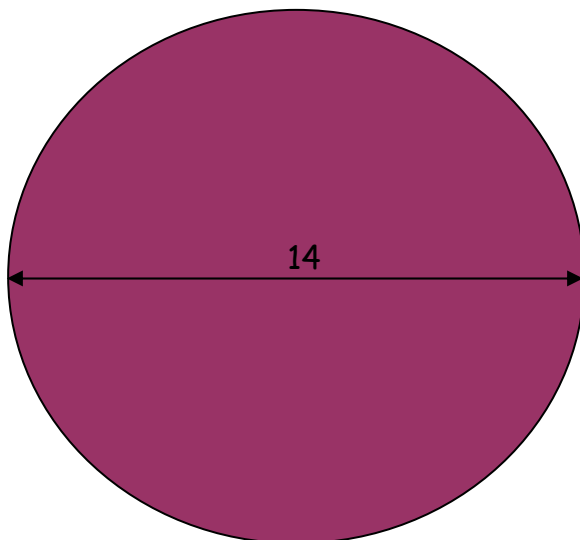
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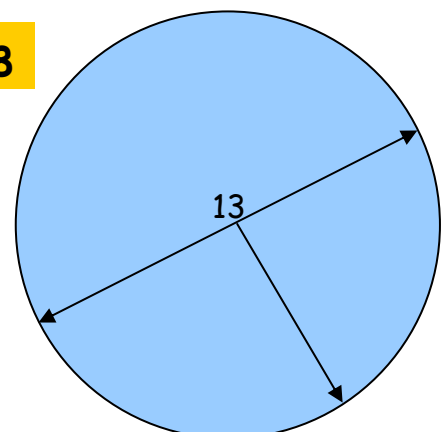
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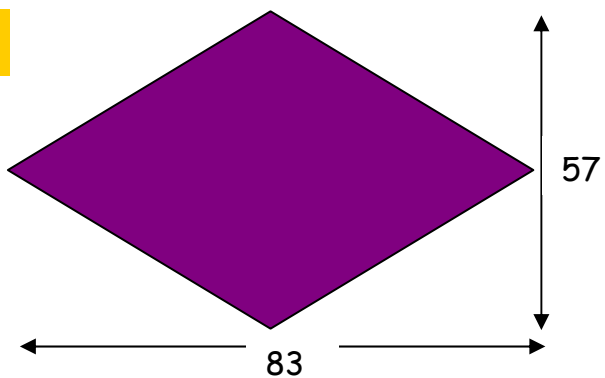
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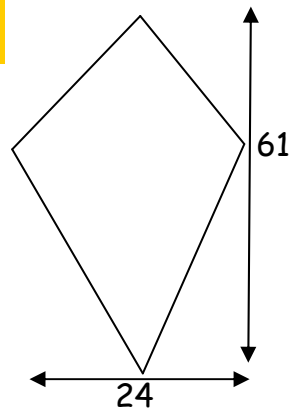
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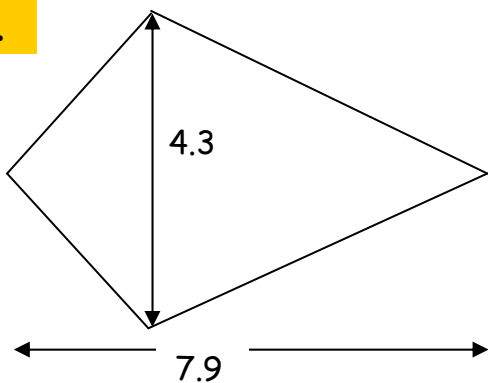
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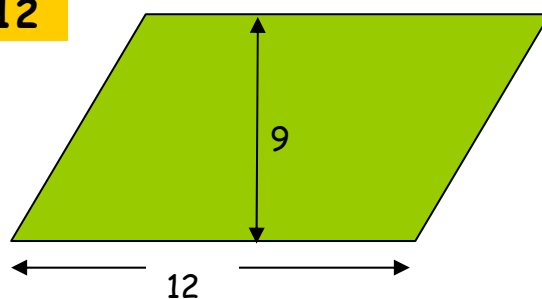
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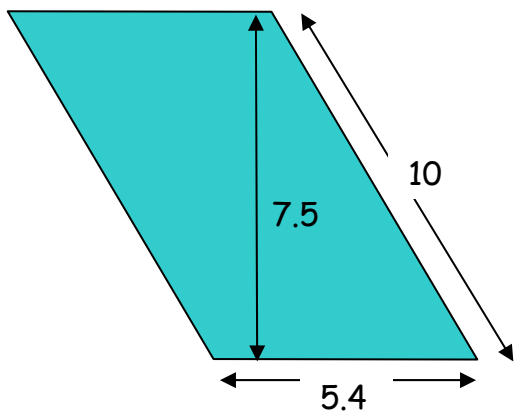
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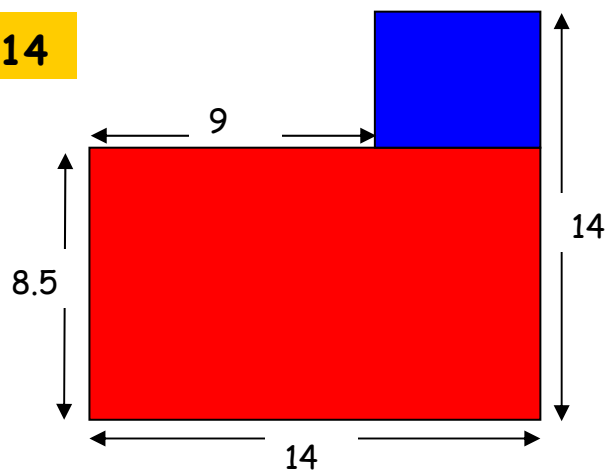
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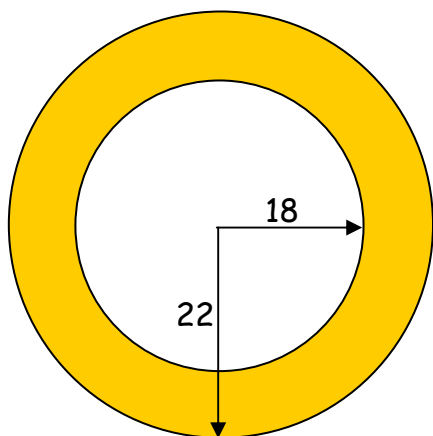
13



14

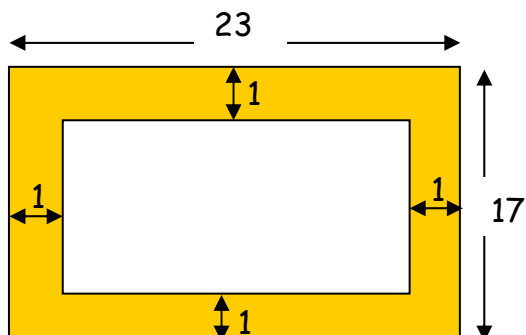


15



M Doran March '08

16



Areas Answers.

$$A = l \times b$$

1. $A = 8 \times 4$
 $A = 32\text{cm}^2$

$$A = l \times l$$

2. $A = 5 \times 5$
 $A = 25\text{cm}^2$

$$A = \frac{1}{2} b \times h$$

3. $A = \frac{1}{2} \times 7 \times 9$
 $A = 31.5\text{cm}^2$

$$A = \frac{1}{2} b \times h$$

4. $A = \frac{1}{2} \times 12 \times 8$
 $A = 48\text{cm}^2$

$$A = \frac{1}{2} b \times h$$

5. $A = \frac{1}{2} \times 19 \times 7.5$
 $A = 71.25\text{cm}^2$

$$A = \pi r^2$$

6. $A = \pi \times 6^2$
 $A = 113.1\text{cm}^2$

$$A = \frac{1}{2} d_1 d_2$$

9. $A = \frac{1}{2} \times 83 \times 57$
 $A = 2365.5\text{cm}^2$

$$A = \frac{1}{2} d_1 d_2$$

10. $A = \frac{1}{2} \times 24 \times 61$
 $A = 732\text{cm}^2$

$$A = \frac{1}{2} d_1 d_2$$

11. $A = \frac{1}{2} \times 7.9 \times 4.3$
 $A = 16.99\text{cm}^2$

$$A = b \times h$$

12. $A = 12 \times 9$
 $A = 108\text{cm}^2$

$$A = b \times h$$

13. $A = 5.4 \times 7.5$
 $A = 40.5\text{cm}^2$

$$A_{(Red)} = l \times b$$
$$A = 14 \times 8.5$$
$$A = 119\text{cm}^2$$

14. $A_{(Blue)} = l \times b$
 $A = 5 \times 5.5$
 $A = 27.5\text{cm}^2$
 $A_{(Total)} = 146.5\text{cm}^2$

$$A = \pi r^2$$

7. $A = \pi \times 7^2$
 $A = 153.9 \text{ cm}^2$

$$A = \pi r^2$$

8. $A = \pi \times 6.5^2$
 $A = 132.7 \text{ cm}^2$

$$A_{(Big_Circle)} = \pi r^2$$

$$A = \pi \times 22^2$$

$$A = 1520 \text{ cm}^2$$

15. $A_{(Small_Circle)} = \pi r^2$
 $A = \pi \times 18^2$
 $A = 1017.88 \text{ cm}^2$
 $A = 1520 - 1017.88$
 $A = 502.12 \text{ cm}^2$

$$A_{(Big_Rectangle)} = l \times b$$

$$A = 23 \times 17$$

$$A = 391 \text{ cm}^2$$

16. $A_{(Small_Rectangle)} = l \times b$
 $A = 21 \times 15$
 $A = 315 \text{ cm}^2$
 $A_{Shaded} = 76 \text{ cm}^2$

