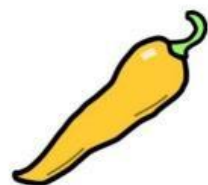
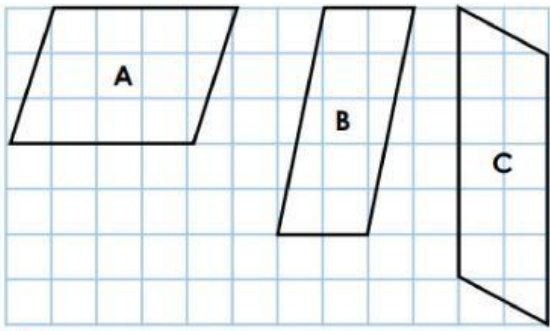
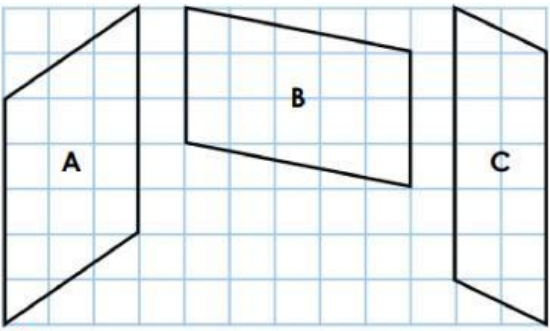


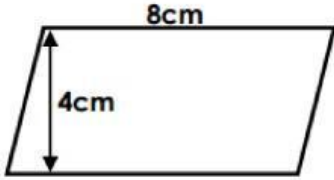
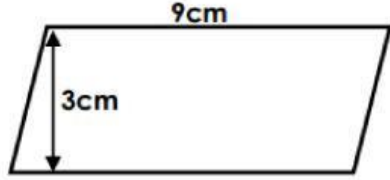


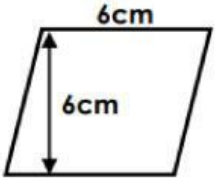
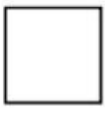
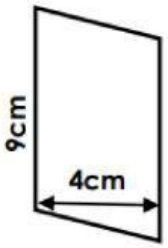
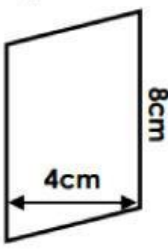

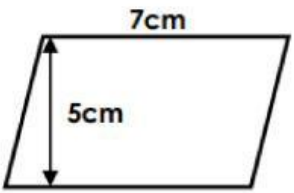
# Area and Perimeter



## Area of a parallelogram

<p>1a. Which parallelograms have an area of <math>12\text{cm}^2</math>? <math>\square = 1\text{cm}^2</math></p>  <p>Not to scale</p>	<p>1b. Which parallelograms have an area of <math>15\text{cm}^2</math>? <math>\square = 1\text{cm}^2</math></p>  <p>Not to scale</p>
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<p>3a. Use the formula: base x perpendicular height to calculate the area of the shape.</p>  <p><input type="text"/> x <input type="text"/> = <input type="text"/> <math>\text{cm}^2</math></p> <p>Not to scale</p>	<p>3b. Use the formula: base x perpendicular height to calculate the area of the shape.</p>  <p><input type="text"/> x <input type="text"/> = <input type="text"/> <math>\text{cm}^2</math></p> <p>Not to scale</p>
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<p>4a. Calculate the area of the shapes and complete the comparison statement.</p>    <p>Not to scale</p>	<p>4b. Calculate the area of the shapes and complete the comparison statement.</p>    <p>Not to scale</p>
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1a. Keon says that half the area of the parallelogram below is  $24\text{cm}^2$ .



Use the formula base  $\times$  perpendicular height to prove whether Keon is correct.



Not to scale

R

1b. Joslyn says that half the area of the parallelogram below is  $20\text{cm}^2$ .



Use the formula base  $\times$  perpendicular height to prove whether Joslyn is correct.



Not to scale

R

3a. Sanaa has drawn a parallelogram.

She says,



The area of my parallelogram is  $21\text{cm}^2$  and the base is  $7\text{cm}$ , so the perpendicular height must be  $2\text{cm}$ .

Is she correct? Explain your answer.



Not to scale

R

3b. Kale has drawn a parallelogram.

He says,



The area of my parallelogram is  $36\text{cm}^2$  and the base is  $6\text{cm}$ , so the perpendicular height must be  $6\text{cm}$ .

Is he correct? Explain your answer.



Not to scale

R