




## ANSWERS

# AREA OF QUADRILATERALS

Instructions: Find the area of the Quadrilaterals

<p>a) The trapezoid has the following bases and height:</p> <p>Larger base of 39 cm Smaller base of 24cm Height of 19cm</p>	<p>Solution:</p> $(39 \text{ cm} + 24 \text{ cm}) * 19 \text{ cm} / 2$ $63 \text{ cm} * 19 \text{ cm} / 2$ $1197 \text{ cm}^2 / 2$ $598,5 \text{ cm}^2$ <p>Area= <b>598,5cm<sup>2</sup></b></p> 
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<p>b) A parallelogram has the following base and height:</p> <ul style="list-style-type: none"><li>• Base 42cm</li><li>• Height 32cm</li></ul>	<p>Solution:</p> $42 \text{ cm} * 32 \text{ cm} = 1344\text{cm}^2$ <p>Area= <b>1344cm<sup>2</sup></b></p> 
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<p>c) The asymmetric trapezoid has two angles:</p> <p>Angle 1: Base 17 cm and height 9 cm Angle 2: Base 17 cm and height 8.5 cm</p>	<p>Solution:</p> $A1 = \frac{1}{2} * 17\text{cm} * 9\text{cm} = 153\text{cm}^2$ $A2 = \frac{1}{2} * 17\text{cm} * 8,5\text{cm} = 144,5\text{cm}^2$ $\text{Area} = 153\text{cm}^2 + 144,5\text{cm}^2$ $\text{Area} = 297,5\text{cm}^2$ 
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QUADRILATE  
RALS

How Did You Do? 😊 😐 😞