




## 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 19 cm Smaller base of 14cm Height of 13cm</p>	<p>Solution:</p> $(19 \text{ cm} + 14 \text{ cm}) * 13 \text{ cm} / 2$ $33 \text{ cm} * 13 \text{ cm} / 2$ $429 \text{ cm}^2 / 2$ $214,5 \text{ cm}^2$ <p>Area= <span style="border: 1px solid green; border-radius: 10px; padding: 2px 10px;">214,5cm<sup>2</sup></span></p> 
<p>b) A parallelogram has the following base and height:</p> <ul style="list-style-type: none"><li>• Base 12cm</li><li>• Height 23cm</li></ul>	<p>Solution:</p> $12 \text{ cm} * 23 \text{ cm} = 276\text{cm}^2$ <p>Area= <span style="border: 1px solid green; border-radius: 10px; padding: 2px 10px;">276cm<sup>2</sup></span></p> 
<p>c) The asymmetric trapezoid has two angles:</p> <p>Angle 1: Base 7 cm and height 5 cm Angle 2: Base 7 cm and height 4.5 cm</p>	<p>Solution:</p> $A1 = \frac{1}{2} * 7\text{cm} * 5\text{cm} = 17,5\text{cm}^2$ $A2 = \frac{1}{2} * 7\text{cm} * 4,5\text{cm} = 15,75\text{cm}^2$ $\text{Area} = 17,5\text{cm}^2 + 15,75\text{cm}^2$ $\text{Area} = 33,25\text{cm}^2$ 

QUADRILATE  
RALS

How Did You Do?

