




ANSWERS

AREA OF TRAPEZOIDS

Instructions: Add the larger base and the smaller base, then multiply the result by the height and divide by two.

<p>a) The trapezoid has the following bases and height:</p> <p>Larger base of 103 cm Smaller base of 99cm Height of 101 cm</p>	<p>Solution:</p> $(103 \text{ cm} + 99 \text{ cm}) * 101 \text{ cm} / 2$ $202 \text{ cm} * 101 \text{ cm} / 2$ $20402 \text{ cm}^2 / 2$ 10201 cm^2 <p>Area= 10201m2</p> 
--	--

<p>b) The trapezoid has the following bases and height:</p> <p>Larger base of 113 cm Smaller base of 109cm Height of 112 cm</p>	<p>Solution:</p> $(113 \text{ cm} + 109 \text{ cm}) * 112 \text{ cm} / 2$ $222 \text{ cm} * 112 \text{ cm} / 2$ $24864 \text{ cm}^2 / 2$ 12432 cm^2 <p>Area= 12432cm2</p> 
---	--

<p>c) The trapezoid has the following bases and height:</p> <p>Larger base of 124 cm Smaller base of 114cm Height of 122 cm</p>	<p>Solution:</p> $(124 \text{ cm} + 114 \text{ cm}) * 112 \text{ cm} / 2$ $238 \text{ cm} * 112 \text{ cm} / 2$ $26656 \text{ cm}^2 / 2$ 13328 cm^2 <p>Area= 13328cm2</p> 
---	--

TRAPEZOIDS

How Did You Do? 😊 😐 😞