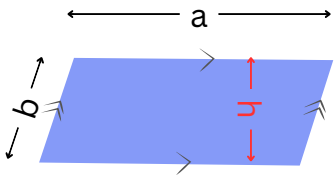
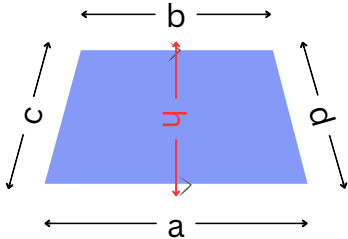


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Area & Quadrilaterals

Reference guide: A chart of quadrilaterals and their formulas

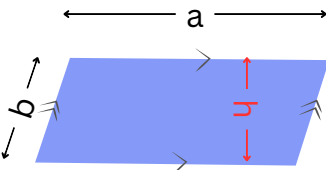
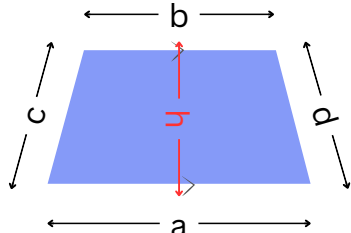
Shape	Name of Quadrilateral	Formula
	Square	$A = s \times s$ or $A = s^2$
	Rectangle	$A = l \times w$
	Parallelogram	$A = a \times h$
	Trapezoid	$A = \frac{1}{2} (a + b) \times h$

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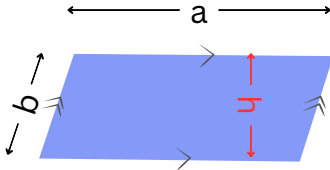
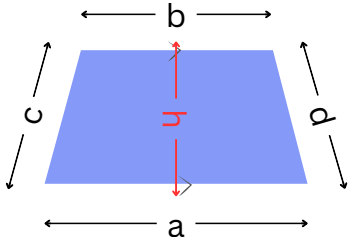
Area & Quadrilaterals

Directions: Use the measurements to find the area for each quadrilateral given. Remember to include the units of measurement in your answer.

Shape	Measurements	Answer
	$s = 6.5 \text{ cm}$	
	$l = 8.5 \text{ m}$ $w = 4.4 \text{ m}$	
	$a = 9.2 \text{ mm}$ $b = 4.6 \text{ mm}$ $h = 3.6 \text{ mm}$	
	$a = 7.1 \text{ dm}$ $b = 5.3 \text{ dm}$ $c = 4.2 \text{ dm}$ $d = 4.2 \text{ dm}$ $h = 3.8 \text{ dm}$	

Area & Quadrilaterals

Directions: Use the measurements to find the area for each quadrilateral given. Remember to include the units of measurement in your answer.

Shape	Measurements	Answer
	$s = 6.5 \text{ cm}$	$A = 6.5^2$ $A = 42.25 \text{ cm}^2$
	$l = 8.5 \text{ m}$ $w = 4.4 \text{ m}$	$A = 8.5 \times 4.4$ $A = 37.4 \text{ m}^2$
	$a = 9.2 \text{ mm}$ $b = 4.6 \text{ mm}$ $h = 3.6 \text{ mm}$	$A = 9.2 \times 3.6$ $A = 33.12 \text{ mm}^2$
	$a = 7.1 \text{ dm}$ $b = 5.3 \text{ dm}$ $c = 4.2 \text{ dm}$ $d = 4.2 \text{ dm}$ $h = 3.8 \text{ dm}$	$A = \frac{1}{2} (7.1 + 5.3) \times 3.8$ $A = 23.56 \text{ dm}^2$