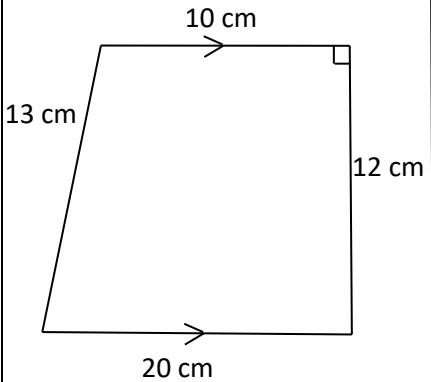
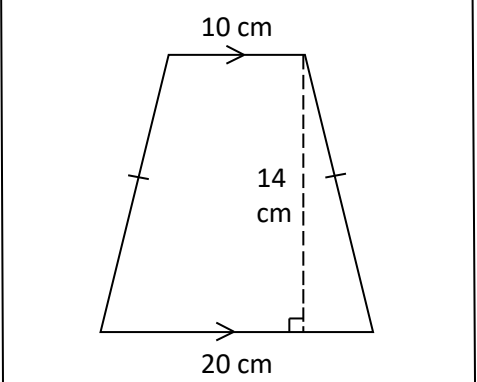
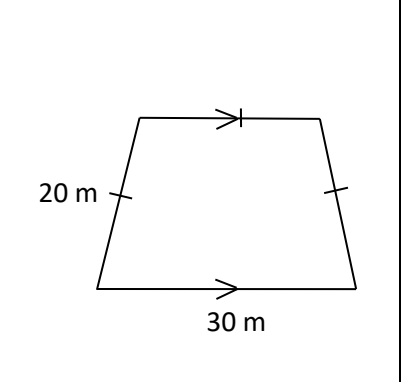
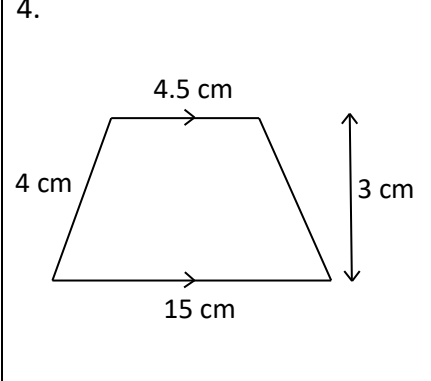
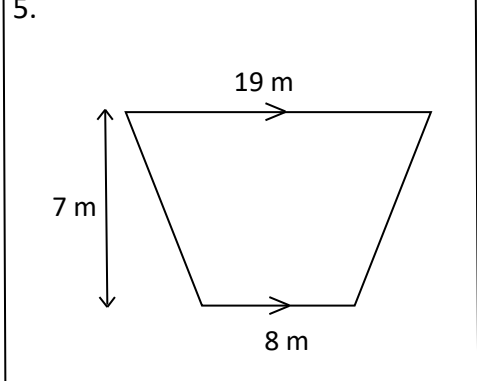
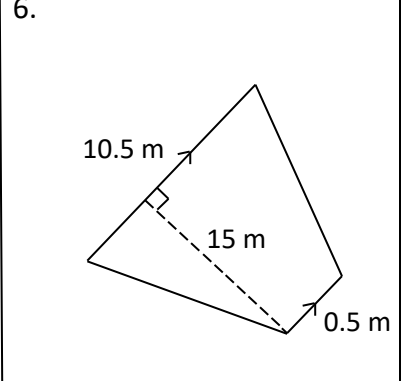
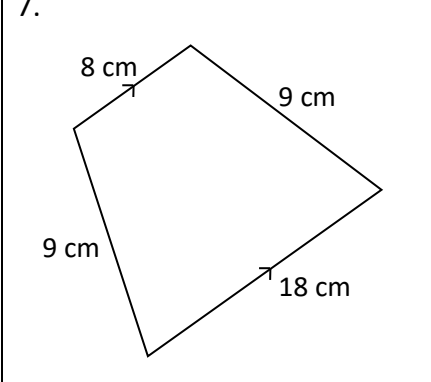
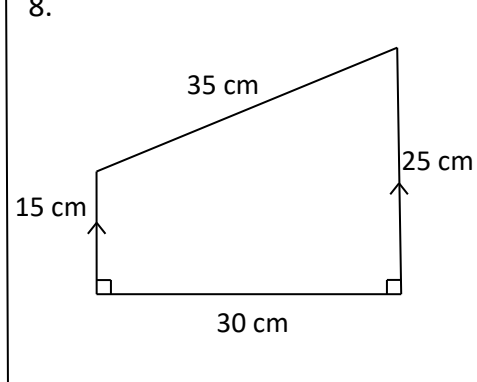
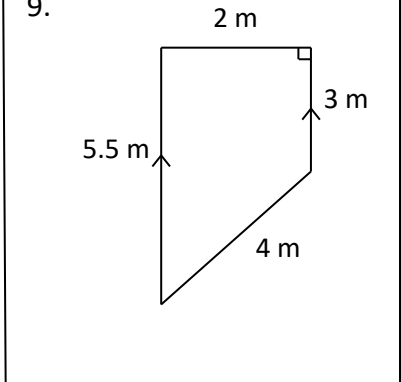


MATHS WORKSHEETS- AREA OF A TRAPEZIUM

Calculate the area of the following trapeziums:

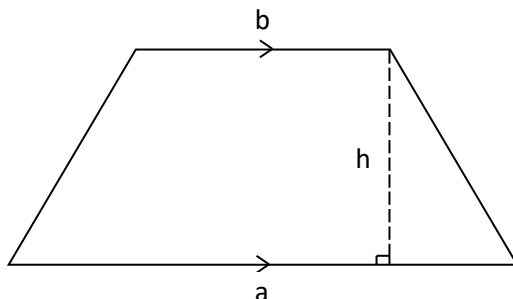
<p>1.</p>  <p>Answer:</p>	<p>2.</p>  <p>Answer:</p>	<p>3.</p>  <p>Answer:</p>
<p>4.</p>  <p>Answer:</p>	<p>5.</p>  <p>Answer:</p>	<p>6.</p>  <p>Answer:</p>
<p>7.</p>  <p>Answer:</p>	<p>8.</p>  <p>Answer:</p>	<p>9.</p>  <p>Answer:</p>

Answer Key:

Trapezium: 2D shape has 4 sides.

: 2 parallel sides, 2 non-parallel sides

: Also called as trapezoid



Area = $\frac{1}{2} (a+b) h$ square units

where,

a and b are parallel sides

h= height

Area = $\frac{1}{2}$ x sum of parallel sides x distance between them

1. 180 cm^2

2. 210 cm^2

3. $484 \text{ m}^2 = \frac{1}{2} (20+30) \times 19.36$

$\rightarrow h^2=20^2-5^2$ (Pythagorean theorem)

4. 29.25 cm^2

$h^2=375 \quad h=19.36$

5. 94.5 m^2

6. 82.5 m^2

7. 97.24 cm^2

8. 600 cm^2

9. 8.5 m^2