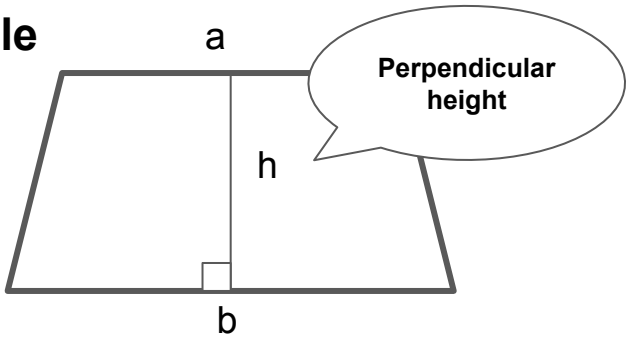
Area of a trapezium: minimally different questions

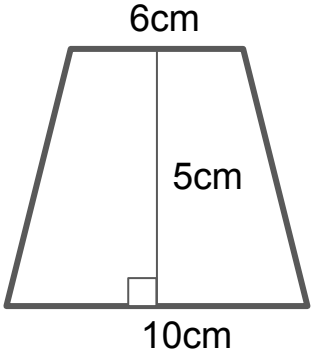
The rule



Area = ½ × (a + b) × h

a & b are parallel sides

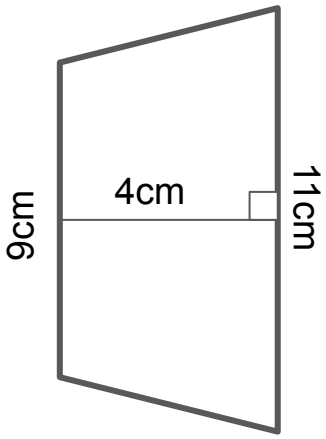
Example



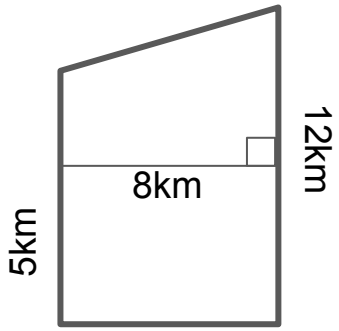
Area
= ½ × (6 + 10) × 5
= ½ × 16 × 5
= 40 cm^2

1.

Area
= ½ × (9 + 11) × 4
= ½ × 20 × 4
= _____ cm^2

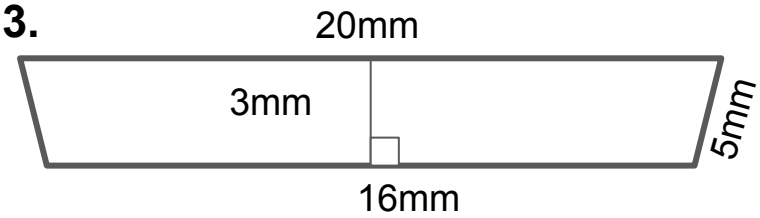


2.



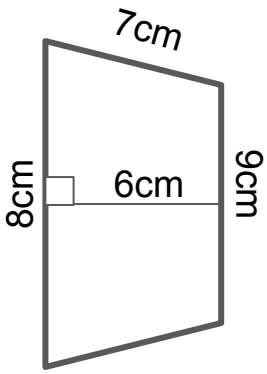
Area
= ½ × (5 + 12) × 8
= ½ × _____ × 8
= _____ km^2

3.



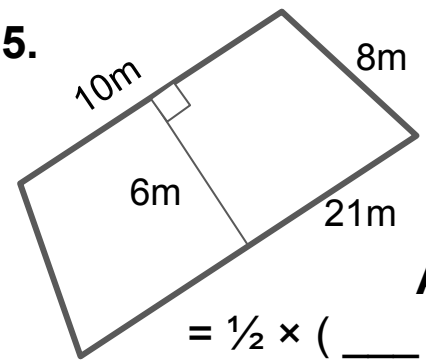
Area
= ½ × (20 + 16) × 3
= ½ × _____ × _____
= _____ mm^2

4.



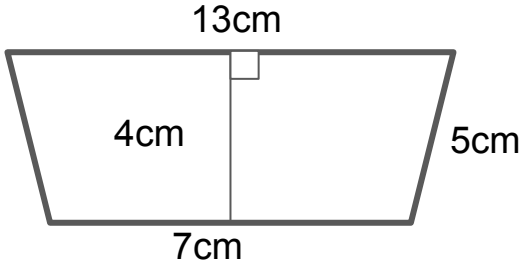
Area
= ½ × (8 + 9) × _____
= ½ × _____ × _____
= _____ cm^2

5.



Area
= ½ × (____ + _____) × _____
= ½ × _____ × _____
= _____ m^2

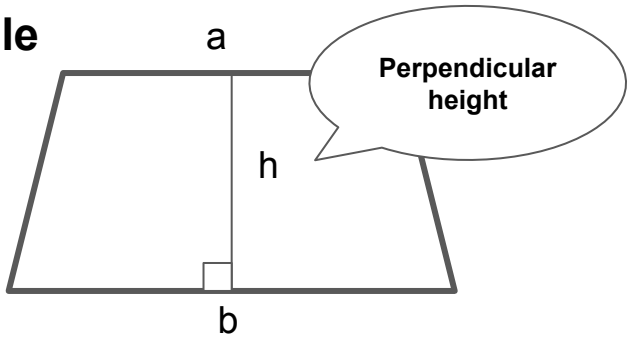
6.



Find the area

Area of a trapezium: minimally different questions

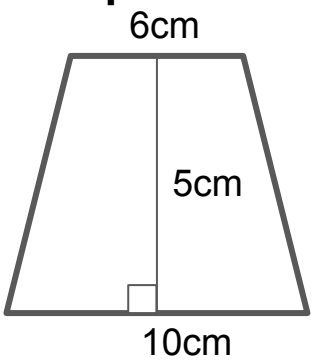
The rule



Area = ½ × (a + b) × h

a & b are parallel sides

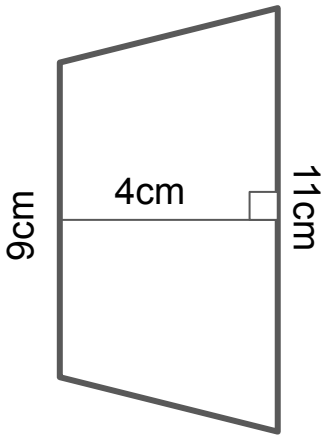
Example



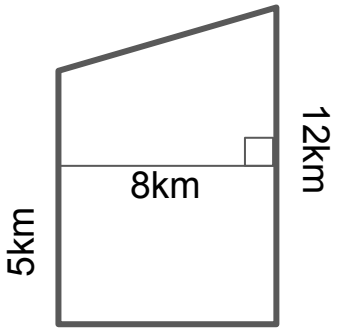
Area
= ½ × (6 + 10) × 5
= ½ × 16 × 5
= 40 cm^2

1.

Area
= ½ × (9 + 11) × 4
= ½ × 20 × 4
= **40 cm^2**

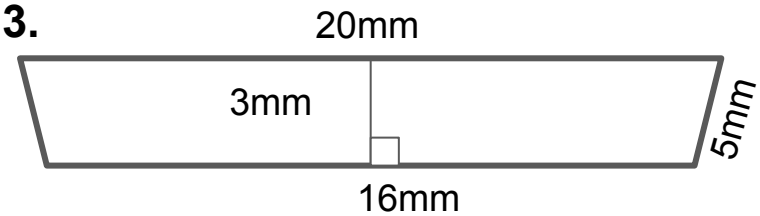


2.



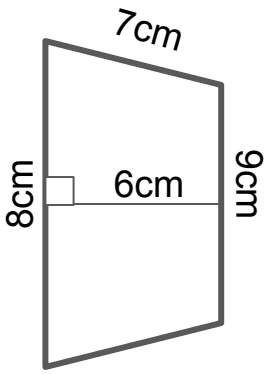
Area
= ½ × (5 + 12) × 8
= ½ × **17** × 8
= **68 km^2**

3.



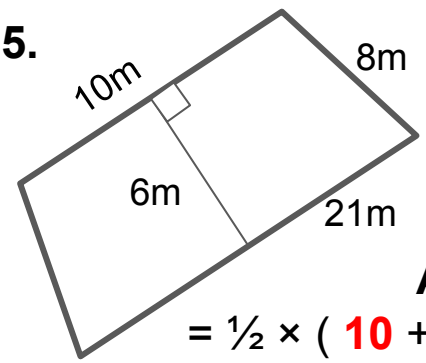
Area
= ½ × (20 + 16) × 3
= ½ × **36** × **3**
= **54 mm^2**

4.



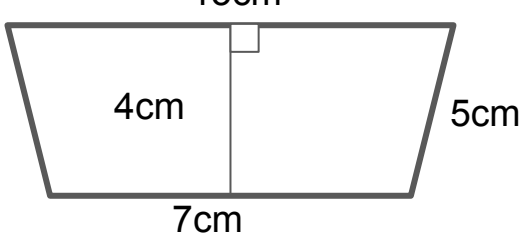
Area
= ½ × (8 + 9) × **6**
= ½ × **17** × **6**
= **51 cm^2**

5.



Area
= ½ × (**10** + **21**) × **6**
= ½ × **31** × **6**
= **93 m^2**

6.



Area
= ½ × (7 + 13) × 4
= ½ × 20 × 4
= 40 cm^2