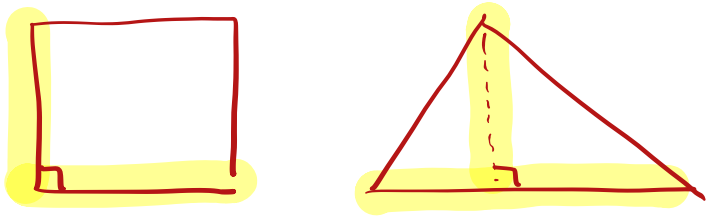
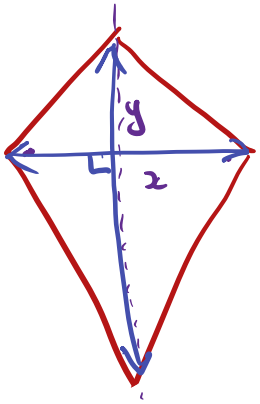
Learning Objectives:
Be able to find the areas of kites, rhombuses and trapeziums
Understand where the formulas come from.

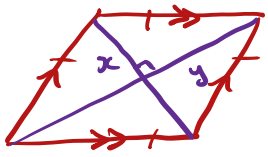


Kite:



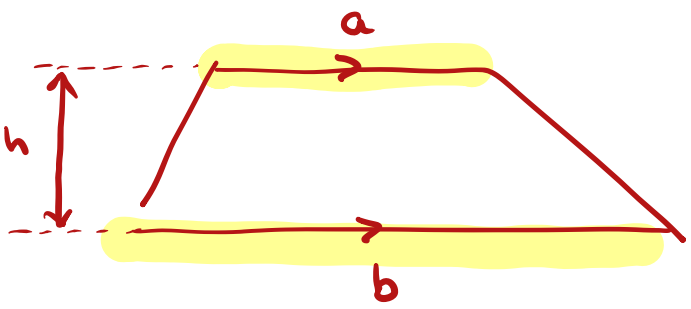
$$\text{Area} = \frac{1}{2} \times x \times y$$

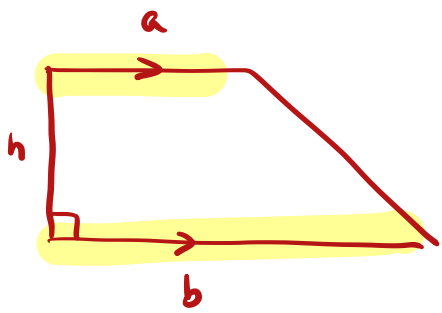
Rhombus



$$\text{Area} = \frac{1}{2} \times x \times y$$

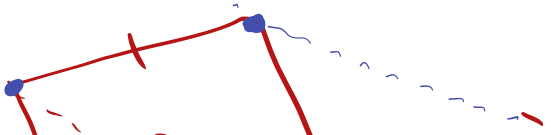
Trapezium



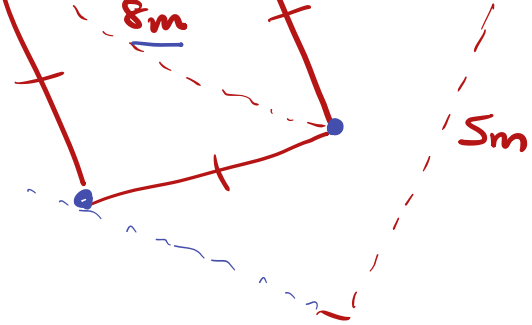


$$\text{Area} = \frac{1}{2} \times (a + b) \times h$$

Questions

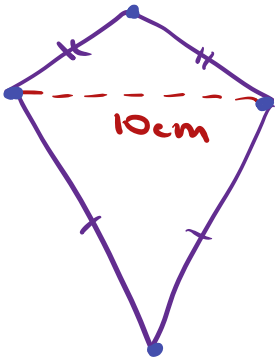
① 

$$\text{Area} = \frac{1}{2} \times 8 \times 5$$



$= 4 \times 5$

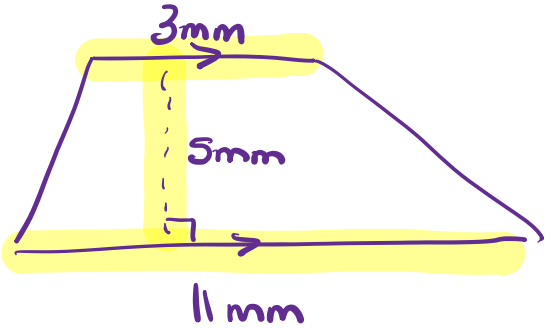
$= \underline{20m^2}$

② 

$\text{Area} = \frac{1}{2} \times 20 \times 10$

$= 10 \times 10$

$= \underline{100\,cm^2}$

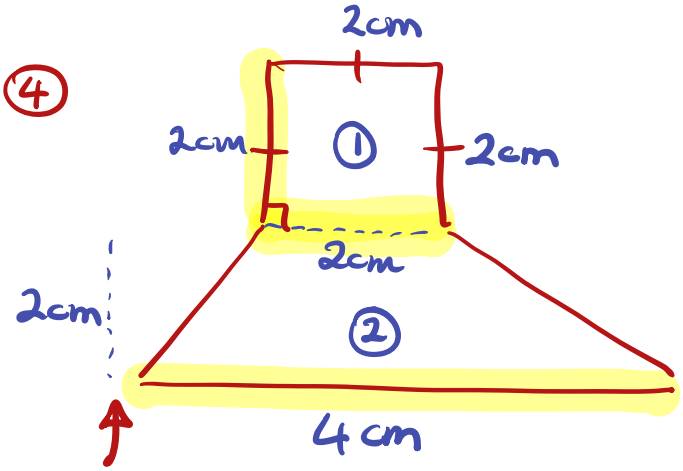
③ 

$\text{Area} = \frac{1}{2} \times (3+11) \times 5$

$= \frac{1}{2} \times 14 \times 5$

$= 7 \times 5$

$= \underline{35\,mm^2}$

④ 

$\text{Area}_① = 2 \times 2$

$= \underline{4\,cm^2}$

$\text{Area}_② = \frac{1}{2} \times (2+4) \times 2$

$= \frac{1}{2} \times 6 \times 2$

$= 3 \times 2$

$= \underline{6\,cm^2}$

Total area $= 4 + 6$

$= \underline{10\,cm^2}$