

## P5 SA2 Mini Revision (2)

### Topic : Area and Perimeter

Level 1

Level 2

Higher order questions

#### Notes:

- Area of triangle =  $\frac{1}{2}$  x Base x **Perpendicular** Height
- Area of square = Length x Length
- Area of rectangle = Length x Breadth
- Perimeter of a figure = Sum of all the sides

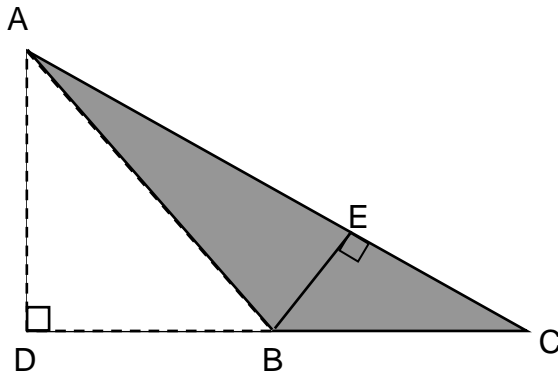
#### Special Note:

Rectangles and Squares are made up of 2 identical triangles

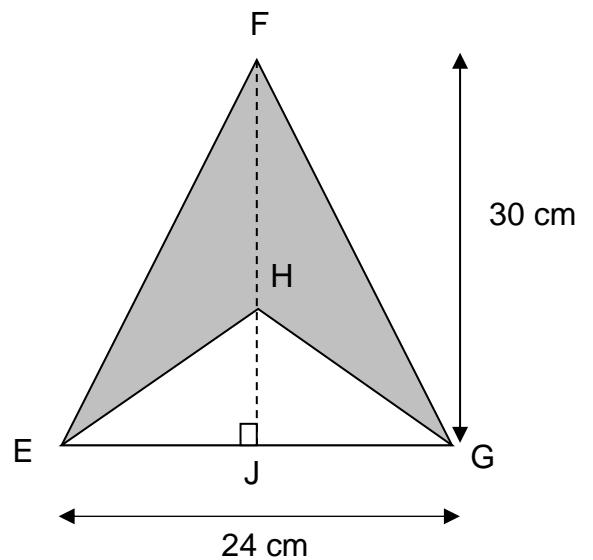
- Area of a Rectangle or Square = 2 x Area of Triangle in the Rectangle or Square

Level 1:

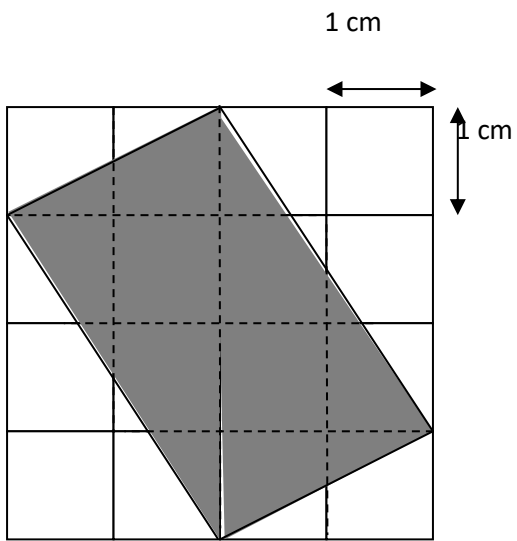
1. The height of the triangle ABC is \_\_\_\_\_, given that its
- (a) Base is AC
  - (b) Base is BC



2. In the diagram below, find the area of the shaded part given that the length of HJ is  $\frac{1}{3}$  of the length of FJ.

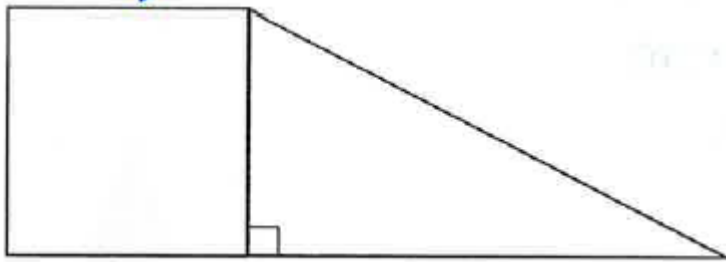


3. What is the area of the shaded figure?

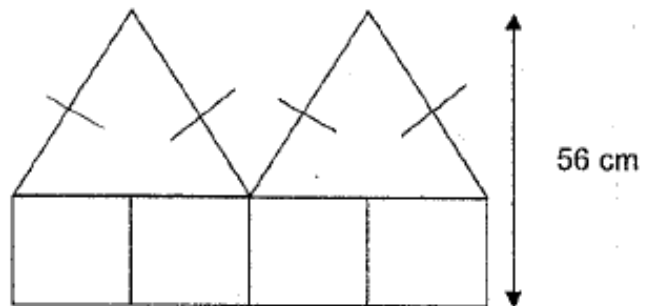


Level 2:

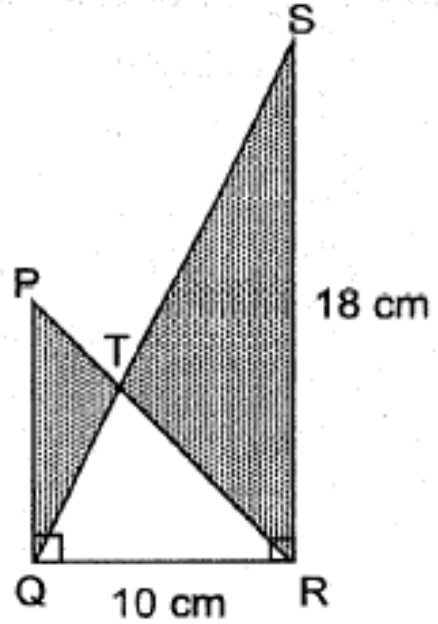
1. The figure below is made up of a right-angle triangle and a square. The area of the square is  $64 \text{ cm}^2$ . Given that the height of the triangle is  $\frac{2}{3}$  of its base, find the area of the triangle.



2. The figure is made up of 2 isosceles triangles and 4 identical squares. The perimeter of 1 square is 96 cm. What is the area of the 2 triangles?



3. The figure below is made up of 2 right-angled triangles, PQR and SRQ. The area of  $\triangle RST$  is  $40 \text{ cm}^2$  bigger than the area of  $\triangle PQT$ . The area of  $\triangle QRT$  is  $20 \text{ cm}^2$ . What is the area of  $\triangle PQR$ ?

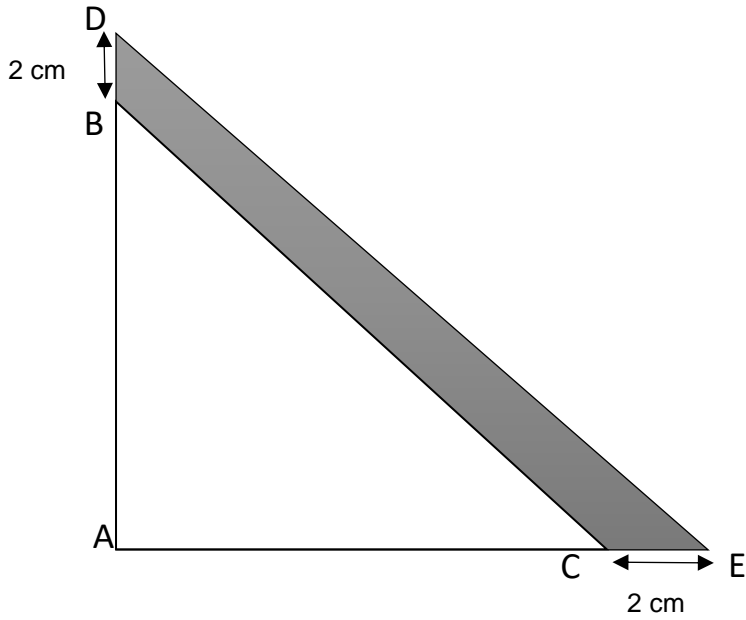


Higher order questions:

1. In the figure, ABC and ADE are right-angled isosceles triangles.

$BD = CE = 2$  cm. The area of the shaded part is  $18$  cm<sup>2</sup>.

Find the length of AB.



2. Figure ABCDE has an area of  $26 \text{ cm}^2$ . ABD and CBE are straight lines. Find the area of the shaded triangle BDE. (PSLE2016/P1/Q30)

