

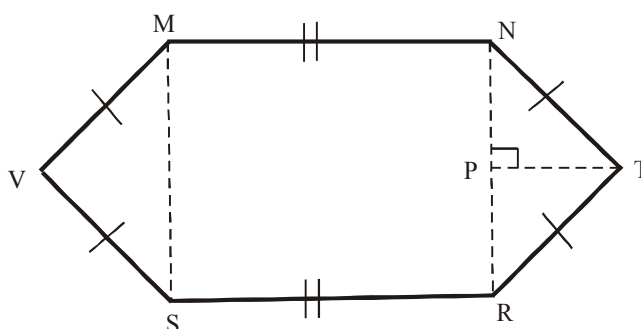
(1) How many hectares will the following areas cover?

(a) $66\,000\,000\text{ cm}^2$ (first convert to m^2)

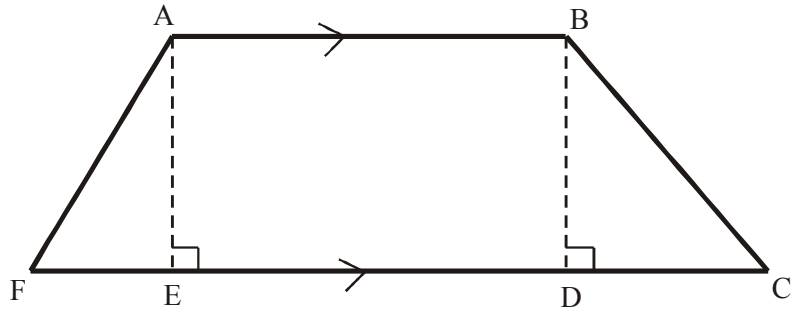
(b) 63 km^2 (first convert to m^2)

(2) Calculate the perimeter (in mm) and area (in cm^2) of each of the following figures:

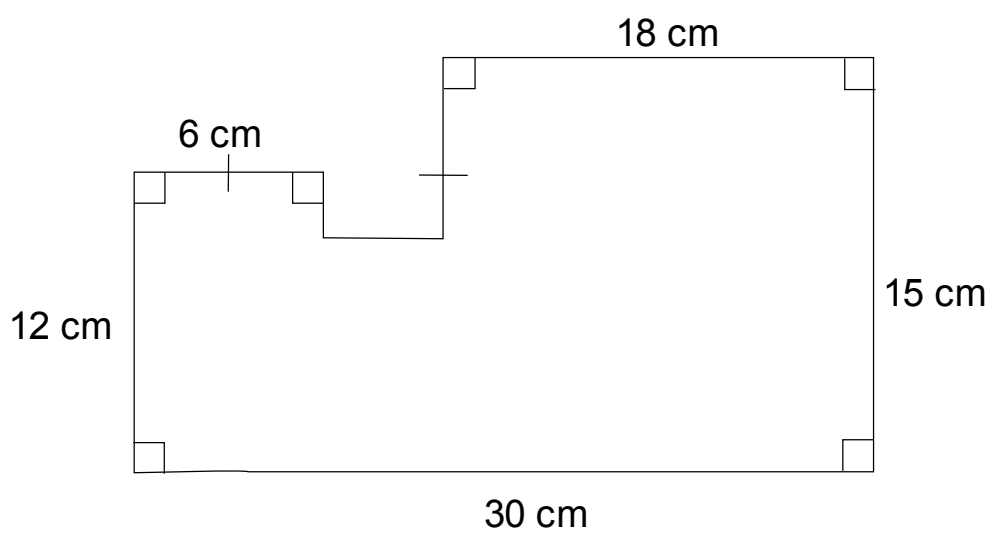
- (a) $MN = 700\text{ mm}$
 $NR = 480\text{ mm}$
 $NT = 300\text{ mm}$
 $PT = 250\text{ mm}$
 $\triangle VSM \equiv \triangle TNR$
 $MNRS$ is a rectangle.



(b) FC = 9,1 cm
EF = 2,1 cm
DC = 2,3 cm
AE = 3 cm
AF = 3,5 cm
BC = 3,8 cm



(c)

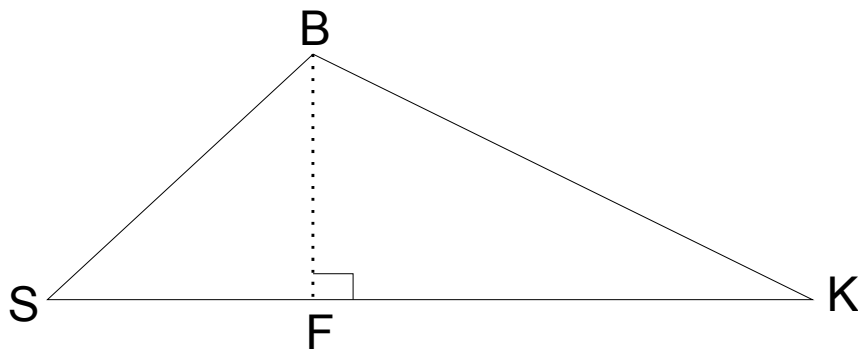
This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

(3) In the adjacent sketch:

$$SK = 20 \text{ m}$$

$$\text{Area } \triangle SKB = 80 \text{ m}^2$$

Calculate the length of BF.



(4) In the adjacent sketch

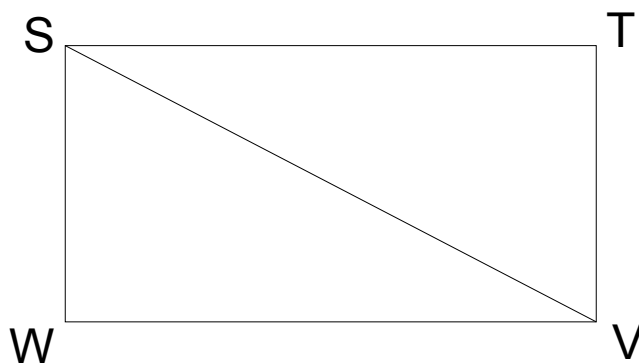
STVW is a rectangle

$$SW = 44 \text{ mm}$$

$$\text{Area } STVW = 2\,640 \text{ mm}^2$$

Calculate: (a) the length of VW

(b) the area of $\triangle SWV$



- (5) A square piece of land has to be fenced in. The area of the piece of land is $6\,400\text{ m}^2$. Fencing of the land will cost R45 per meter. First draw a sketch and fill in the information.
- Calculate the length of the piece of land.
 - Calculate the perimeter of the piece of land.
 - Calculate the cost to fence the entire piece of land.

(6) You have to make a kite. See the adjacent sketch.

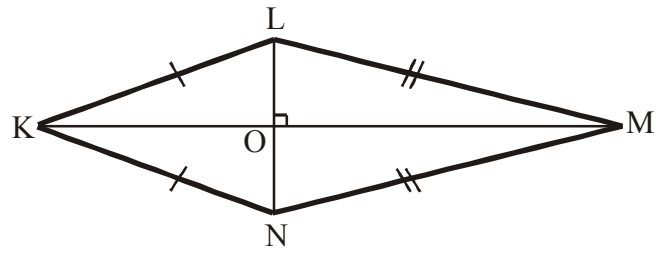
The length of the kite, KM has to be 70 cm and the width, LN 30 cm.

$$\mathbf{KO} = \mathbf{LN}$$

Calculate: (a) the length of OM

(b) the lengths of LO and ON

(c) the area of the kite.

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