

# **Unit # 11 - Area**

**Sec: B –Measuring areas with larger surfaces**

**Answers of the given home work**

**Activity book page :76, 77 - Q. No. 01 a&b**

**Text book page: 88 - Q. No. 1 a&b**

**(Do the text book problems in your notebook)**

***Please check your answers and correct the wrong ones***

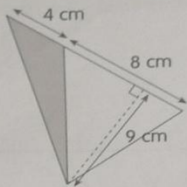
# Unit#11 Area - Sec: B –Measuring areas with larger surfaces

## Answers of the given home work

### Activity book pg :76

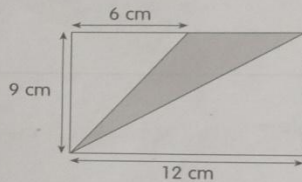
2. Find the shaded area in each figure shown below.

(a)



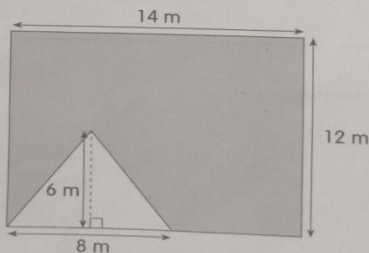
a) Base = 4 cm, height = 9 cm  
Area of a triangle =  $\frac{1}{2} \times \text{base} \times \text{height}$   
 $= \frac{1}{2} \times 4 \text{ cm} \times 9 \text{ cm}$   
 $= \frac{1}{2} \times 36 \text{ cm}^2 = 36 \text{ cm}^2 \div 2$   
Area =  $18 \text{ cm}^2$

(b)



b) Base = 6 cm, height = 9 cm  
Area of a triangle =  $\frac{1}{2} \times \text{base} \times \text{height}$   
 $= \frac{1}{2} \times 6 \text{ cm} \times 9 \text{ cm}$   
 $= \frac{1}{2} \times 54 \text{ cm}^2 = 54 \text{ cm}^2 \div 2$   
Area =  $27 \text{ cm}^2$

(c)



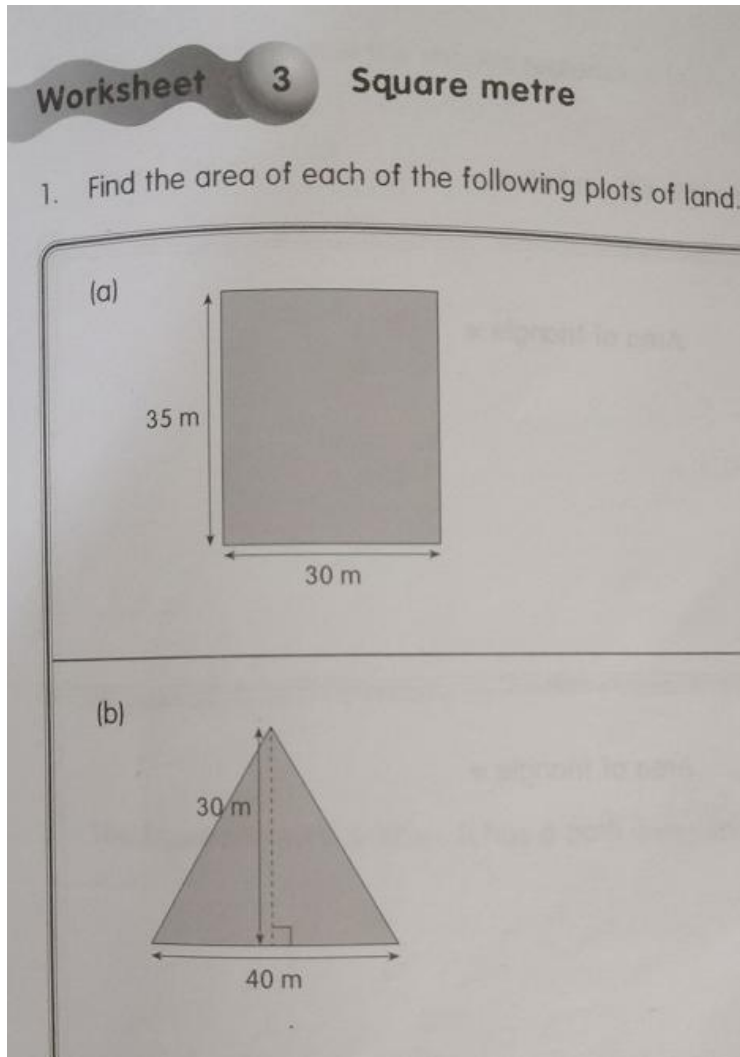
c) Length = 14 m, Breadth = 12 m  
Area of a rectangle = length  $\times$  breadth  
 $= 14 \text{ m} \times 12 \text{ m} = 168 \text{ m}^2$   
Base = 8 m, height = 6 m  
Area of a triangle =  $\frac{1}{2} \times \text{base} \times \text{height}$   
 $= \frac{1}{2} \times 8 \text{ m} \times 6 \text{ m}$   
 $= \frac{1}{2} \times 48 \text{ m}^2 = 48 \text{ m}^2 \div 2$   
Area =  $24 \text{ m}^2$   
Shaded area =  $168 \text{ m}^2 - 24 \text{ m}^2 = 144 \text{ m}^2$

# Unit#11 Area - Sec: B –Measuring areas with larger surfaces

## Answers of the given home work

### Activity book pg :77

I. Find the area of each of the following plots of land



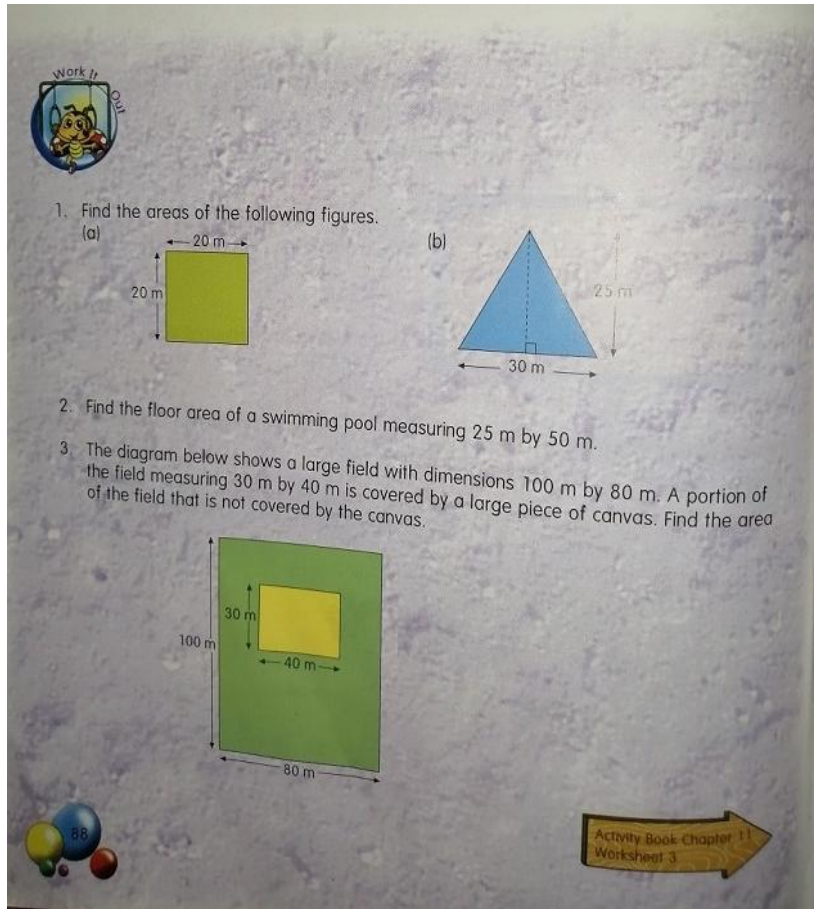
a) Length = 30m, Breadth = 35 m  
Area of a rectangle = length x breadth  
 $= 30\text{m} \times 35\text{m}$   
 $= 1050 \text{ m}^2$

b) Base = 40 m, height = 30 m  
Area of a triangle =  $\frac{1}{2} \times \text{base} \times \text{height}$   
 $= \frac{1}{2} \times 40 \text{ m} \times 30 \text{ m}$   
 $= \frac{1}{2} \times 1200 \text{ m}^2 = 1200 \text{ m}^2 \div 2$   
Area =  $600 \text{ m}^2$

# Unit#11 Area - Sec: B –Measuring areas with larger surfaces

## Answers of the given home work

Text book pg :88 (Q. No 1, a&b)



1. Find the areas of the following figure

a) Side = 20m,  
Area of a square = side x side  
 $= 20\text{m} \times 20\text{m}$   
 $= 400\text{ m}^2$

b) Base = 30m, height = 25 m  
Area of a triangle =  $\frac{1}{2} \times \text{base} \times \text{height}$   
 $= \frac{1}{2} \times 30\text{ m} \times 25\text{ m}$   
 $= \frac{1}{2} \times 750\text{ m}^2 = 750\text{ m}^2 \div 2$   
Area =  $375\text{ m}^2$

Please check :

Question no. 3 a &b, from page no. 86

Question no. 2 & 3 from page no. 88

Done in the file no. 3.