

B Plans

- ✓ A scale drawing of a structure or object
- ✓ A design or arrangement scheme

Activity 3. (Reading a plan) On the figure below is represented the plan for the second floor of a house.

a) What is the length of house?

$l = 4.32 + 8.26 \approx 12.58m$
 \therefore The length is about $13m$

b) What is the width of the house?

$w \approx 8.03m$
 \therefore The width is about $8m$

c) What is the living area of the second floor?

$A = l \cdot w = 13 \cdot 8 \approx 104 m^2$
 \therefore The living area is about $104m^2$

d) How much will cost to construct the second floor if the cost per square foot is \$200?

$C = (\$200)(1040) = \$208,000$
 \therefore The cost of building the second floor is about \$208,000

C Patterns

- ✓ A form, template, or model from which an object can be created

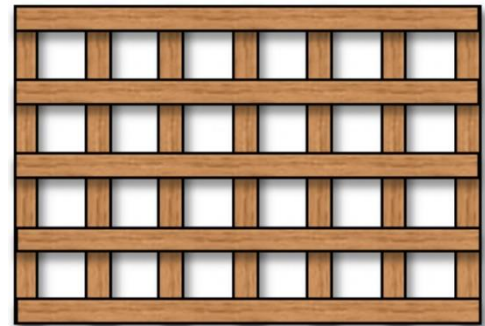
Activity 4. (Building a trellis by using a template) You are building a trellis by using the template shown below and 2 inches wide slats. A 1:2 spacing means the "gap" is two times as wide as the slat.

a) Find the length and the height of this trellis.

b) Find the total length of all slats you need.

c) Is the cost per inch of the slat is 10 cents per inch, find the cost to build this trellis.

d) Find the openness (the percentage of the area that is "gap") for this trellis.



1:2 spacing