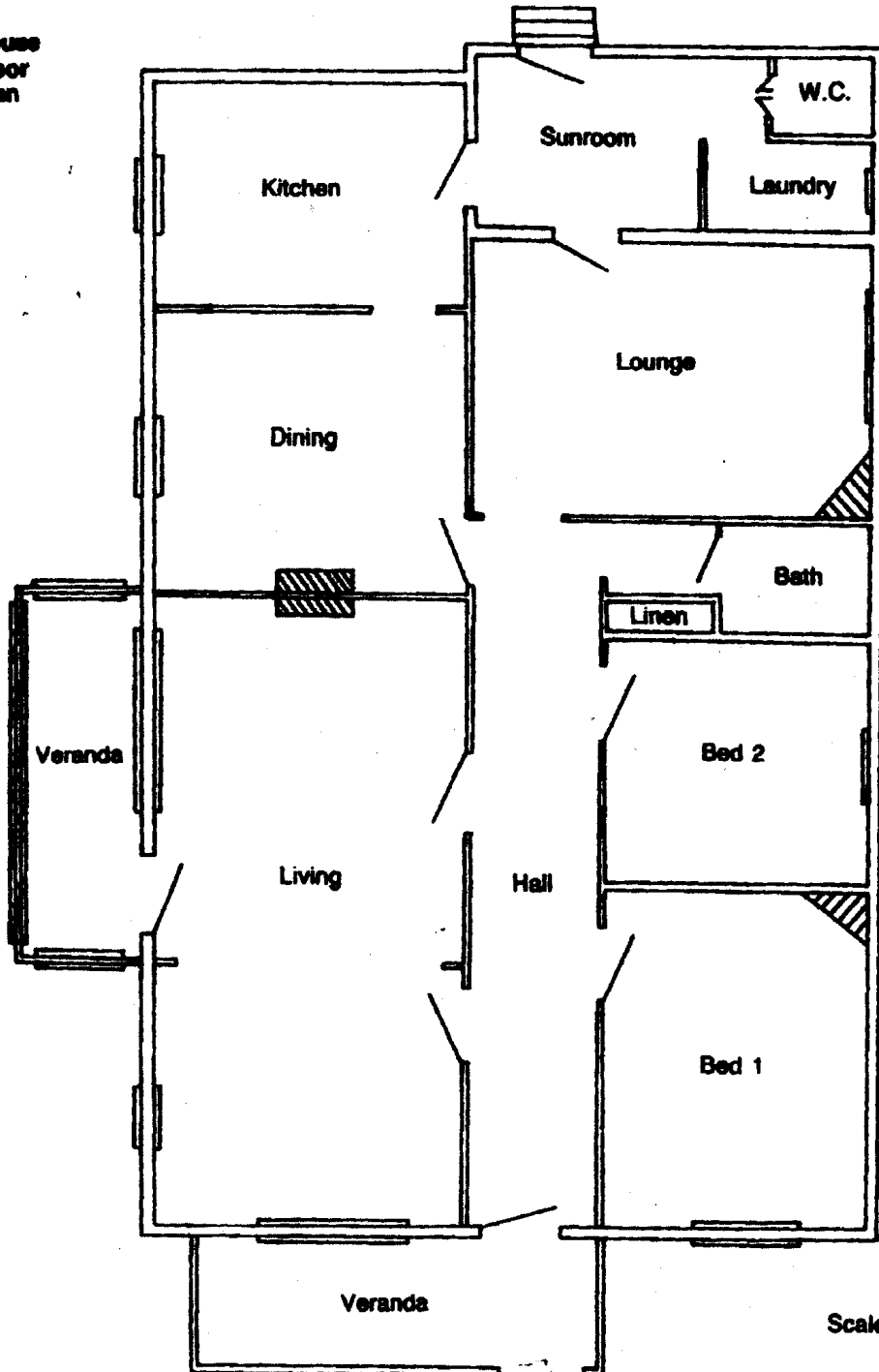


AREA OF A QUADRILATERAL APPLICATIONS REDECORATING

House
Floor
Plan



Scale 1 cm : 1 m

Q1. How long is the hallway? (The scale means that 1cm on the plan is equal to 1metre of the real house.)

Q2. What are the dimensions of the:

- (a) Lounge room
- (b) Living room
- (c) Main bedroom?

Q3. (a) Calculate the perimeter of Bedroom 2.
(b) The skirting boards need to be replaced in this room. Find the lengths of the 5 pieces required.
(c) The timber costs \$7 per lineal metre. How much will the skirting board timber cost?



Q4. The walls of the dining room are to be painted.
(a) Find the perimeter of the dining room. (Ignore the fireplace.)
(b) The height of the walls is 2.4 metres high. Two coats of paint are needed. What is the area of the walls (with 2 coats) of the dining room?
(c) One litre of paint covers 16 square metres. How much paint is needed?
(d) Paint costs \$15 per litre. How much will the dining room walls' paint cost?

Q5. The ceiling of the dining room is to be painted.
(a) Find the area of the dining room ceiling.
(b) Two coats of paint are needed. What is the area of the ceiling (with 2 coats)?
(c) One litre of paint covers 16 square metres. How much paint is needed?
(d) Paint costs \$15 per litre. How much will the dining room ceiling paint cost?

Q6. The living room is to be carpeted.
(a) Calculate the area of the living room.
(b) Carpet costs \$50 per square metre. How much will the carpet cost?

ANSWERS

Q1. 8.7m

Q2.(a) 5 m x 3.4m

(b) 7.8m x 3.7m

(c) 4.1m x 3.2m

Q3.(a) 12.4m

(b) 3.2m, 3m, 3m, 1.7m, 0.3m

(c) \$78.40

Q4.(a) 14.6m

(b) 70.08m²

(c) 4.38 rounded up to 5L

(d) \$75

Q5. (a) 13.3m²

(b) 26.6m²

(c) 1.6625 rounded up to 2L

(d) \$30

Q6.(a) 28.86m²

(b) \$1443