



THE RIVERS
SECONDARY COLLEGE

The heart of secondary education for Lismore

Assessment Task Notification

**RICHMOND RIVER HIGH
CAMPUS**

Task Number	2	Task Name	Scale Drawings – Dream House
Course	Year 12 Numeracy	Faculty	Mathematics
Teacher	Mr Whitehall	Head Teacher	Ms Humphries
Issue date	Thursday (27.2.25) Week 5	Due date	Thursday (13.3.25) Week 7
Focus (Topic)	<i>Understanding geometric properties: UGP1, UGP2 Positioning and locating: PoL3, PoL4, PoL5</i>	Task Weighting	20%

Outcomes

- draw simple two-dimensional plans to show placement of objects in relation to one another
- draw simple three-dimensional objects using isometric, perspective, oblique and exploded drawings
- read and interpret plans, diagrams and simple scale drawings representing familiar real-life shapes and objects
- match or construct simple three-dimensional objects from various forms of drawings, including front, back and side views or three-dimensional views, such as matching house plans to house photographs, giving reasons for the match

Task description

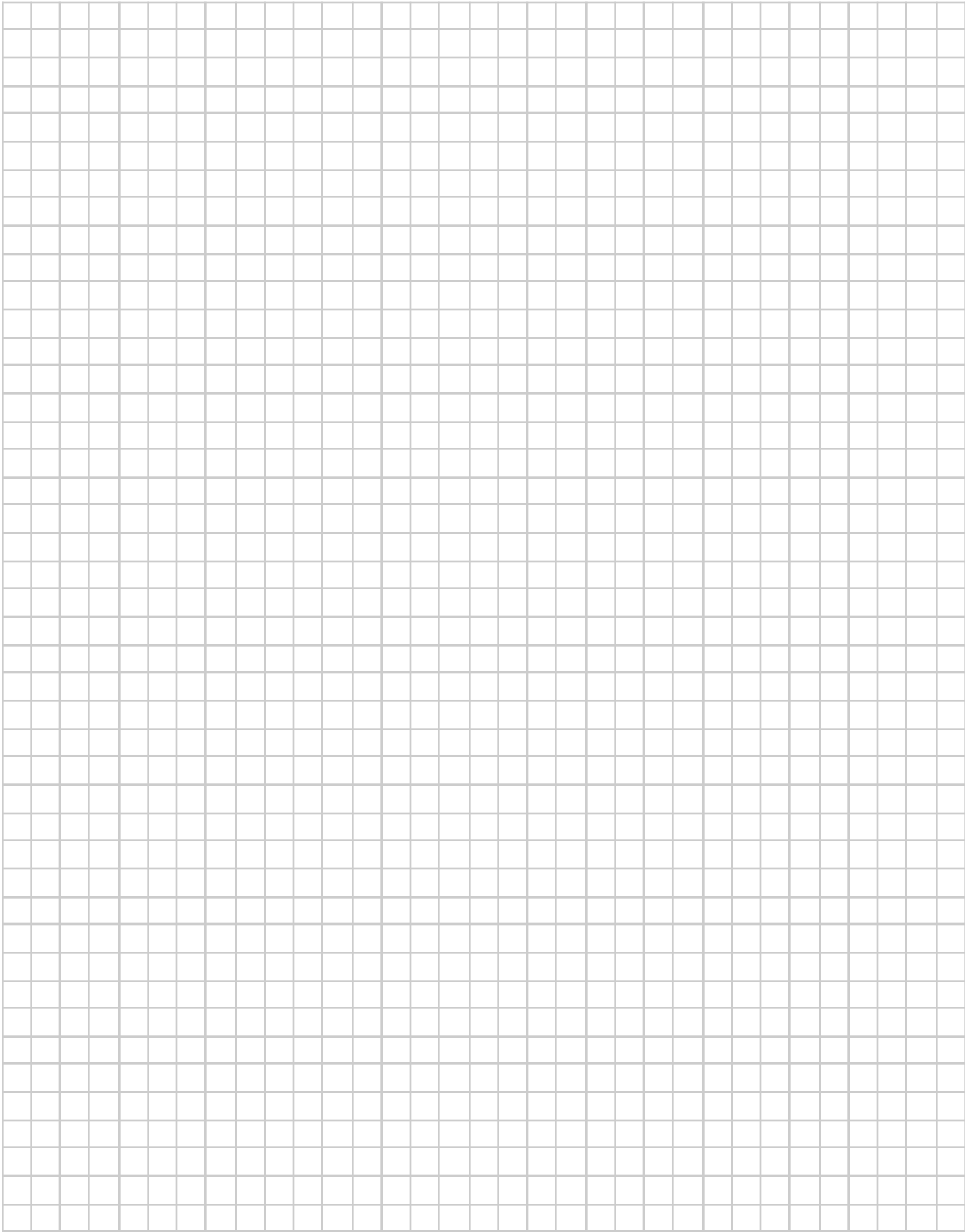
Students will complete the Dream House task both in class and at home. In order to gain an outstanding achievement level for this task, you must fully complete all 4 steps. Therefore, **you must take full advantage of time spent in class as well as spend additional time at home if required.** You should start with basic sketches and then move on to accurate diagrams drawn using a ruler. If you are absent from class please contact your teacher to catch up on the work for that lesson.

Name:

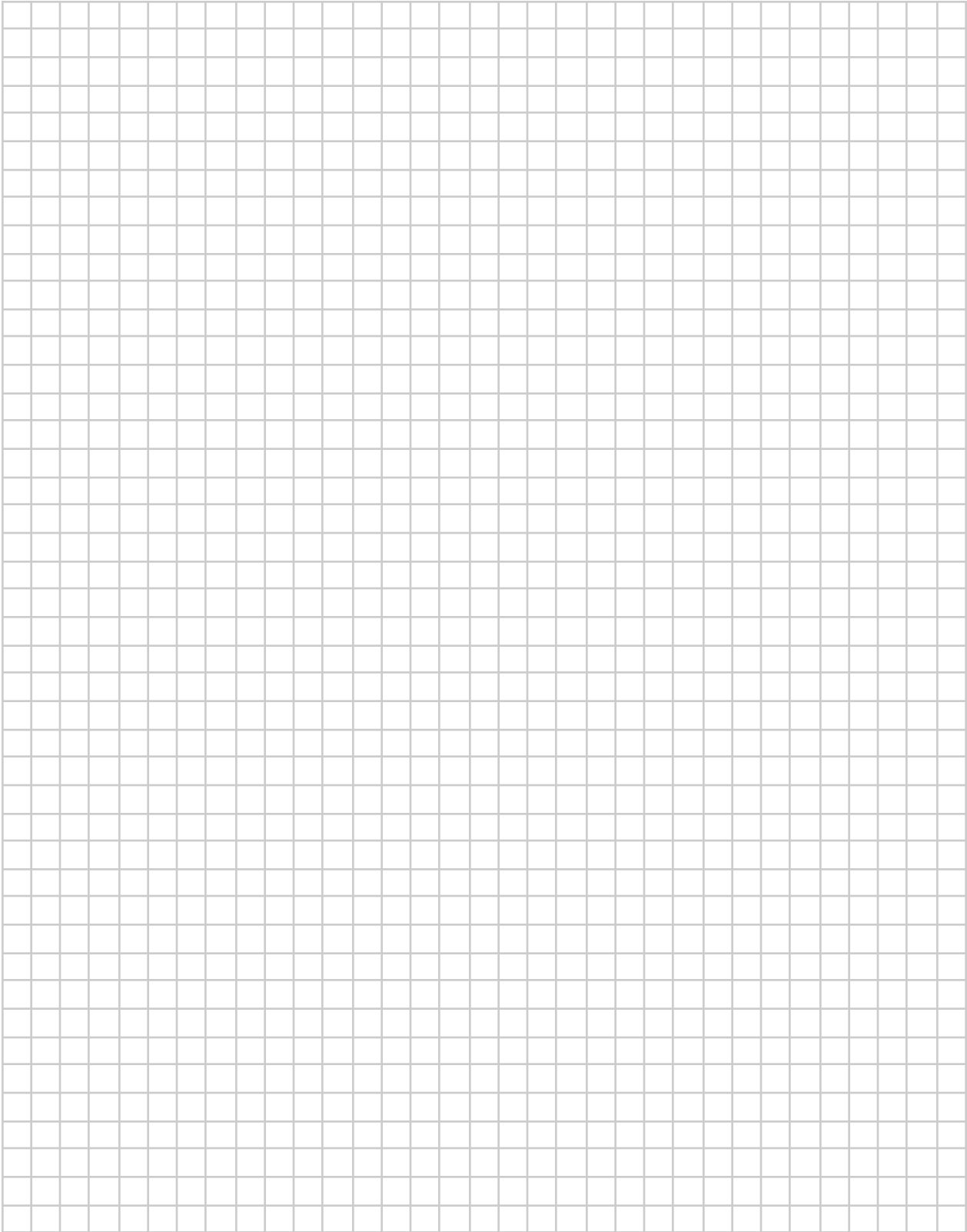
Marking Guidelines

Task	Criteria	Marks
Step 1	Birds Eye Sketch <ul style="list-style-type: none">● The birds' eye view of the house clearly shows what will be on the property – including all outdoor features. (6)● An appropriate scale was chosen and written next to the diagram, diagram to scale. (1)● List of shapes used in your diagram. (1)● Perimeter measurements displayed and to appropriate scale. (1)● Land measurements stated. (1)	/10
Step 2	House Plan <ul style="list-style-type: none">● Rooms and area functions clearly identified. All necessary rooms included and displayed in the correct floor plan format. (8)● Scale is appropriate. (1)● Floor plan is to scale. (1)● All wall measurements are clearly labelled and realistic. (2)● All fixtures (e.g. toilet) are labelled and symbols are clearly explained. (8)	/20
Step 3	The Details <ul style="list-style-type: none">● What is the size of each room or living space? (4)● Identify what flooring materials you will use in what areas. Please give total areas for each material type? (Bedrooms 2 marks, bathrooms 2 marks, living areas 2 marks)(6)● For each flooring material research the cost per metre and calculate the cost of flooring materials for you build. (6)● What is the size of your house in square metres? (4)	/20
Total		/50

Step 1: Birds Eye Sketch



Step 2: House Floorplan



Step 4: The Details:

Room/living space	Length (m)	Width (m)	Area (m ²)	Flooring material

Flooring Material	Cost (per m ²)	Area required (m ²)	Total Cost (\$)
	Total:		

Useful links for choosing your flooring material:

<https://www.bunnings.com.au/>

<https://andersens.com.au/>

<https://www.carpetcourt.com.au/>

<https://www.beaumont-tiles.com.au/>