

For solution diagrams and dimensions of the two cow pens refer to PowerPoint Slide 11.

Assessment Rubric					
	A	B	C	D	E
Task Criteria	The student has an extensive knowledge and understanding of the content and can readily apply this knowledge to solve unfamiliar problems.	The student has a thorough knowledge and understanding of the content and a high level of competence in the processes and skills.	The student has a sound knowledge and understanding of the main areas of content and has achieved an adequate level of competence in the processes and skills.	The student has a basic knowledge and understanding of the content and has achieved a basic level of competence in the processes and skills.	The student has an elementary knowledge and understanding in few areas of the content and has achieved very limited competence in some of the processes and skills.
Area and Perimeter Rubric for The Calf Paddock					
The Calf Paddock Investigate the areas of rectangles that have the same perimeter. Recognises that there may be more than one rectangle with the same perimeter. Selects and uses the appropriate unit to calculate area.	Correctly answers the extension task demonstrating that a shape measuring 18 m by 9 m (when one side is the hay shed) has the greatest area and supports this with evidence of a systematic strategy.	Identifies the shape with the greatest area (a 9 m by 9 m square) and supports answer with some evidence of a systematic strategy.	Correctly draws more than one shape (enclosure) with perimeter of 36 metres and correctly calculates area in m ² demonstrating a knowledge of perimeter and area.	Correctly draws at least one shape (enclosure) with perimeter of 36 metres and attempts to calculate the area in m ² demonstrating some knowledge of perimeter and area.	

A typical **systematic strategy** would be a table showing perimeter, or length and breadth or both with the appropriate areas and show the areas increasing to a maximum then decreasing as the perimeter changes.