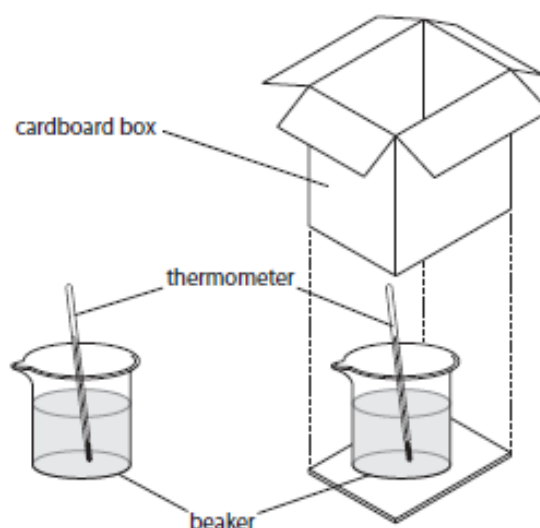


## Exercise 7 – Writing an Exam Question

A student was told that farming animals outdoors was less efficient than keeping them indoors (factory farming). The student investigated this idea, using beakers of hot water to represent the animals, with the apparatus shown below. The cardboard box was used to represent keeping animals indoors.



The beakers were filled with the same volume of hot water and the temperature in each beaker was measured at intervals of 10 minutes over a period of 30 minutes. The investigation was repeated five times. The results are shown in the table.

Trial	Temperature in °C for each beaker							
	Outside box				Inside box			
	0 min	10 min	20 min	30 min	0 min	10 min	20 min	30 min
1	70	55	49	44	70	59	51	46
2	68	56	49	43	68	57	52	45
3	62	50	45	20	62	50	45	41
4	70	56	45	38	70	54	48	40
5	67	55	48	43	67	60	53	48

Question format:

1(a)(i) Question.

number of marks

Mark Scheme:

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