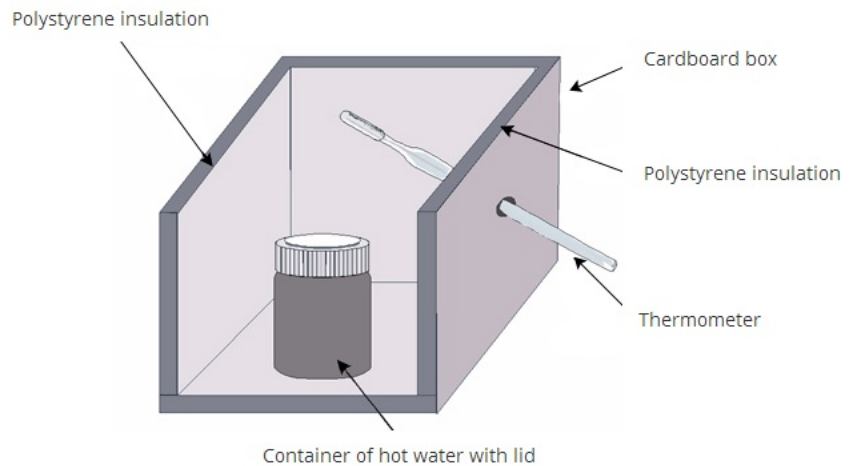


# Insulating a house

This task is about fair testing insulation.

Sarai set up an experiment to investigate the effect of house insulation. She made models of two houses – one that was insulated, and one that was not insulated. She used a cardboard box as a house and a sealed container of hot water as a "heater" to warm the house. This diagram shows a section of Sarai's insulated house with its side and roof removed.



a) How would the walls be different in Sarai's non-insulated house?

\_\_\_\_\_

b) Describe **three** things Sarai would need to keep the same to make her investigation a "fair test".

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

c) This graph shows Sarai's temperature readings in her non-insulated house. On the same graph, draw a line to show how Sarai's temperature readings would be different for the insulated house.

