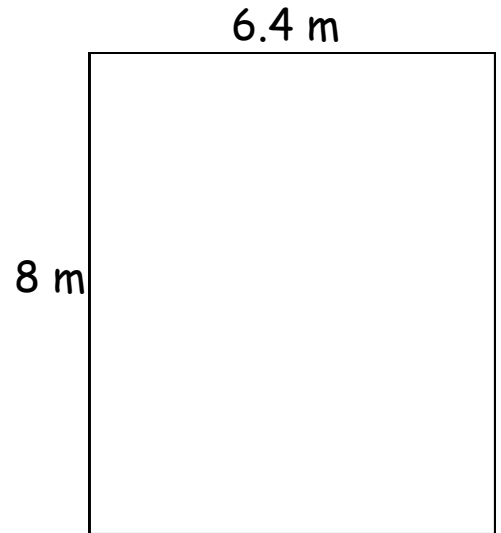


Insulating the house

Jonah decides to insulate his loft to save money on his heating bills.

- a. Work out the area of Jonah's loft.



Each roll of loft insulation covers 4.4m^2 .

- b. How many rolls of loft insulation will Jonah need to buy?

- c. Use the above diagram of the loft to show how Jonah could lay out his loft insulation.

- d. Jonah decides to have his loft insulation professionally installed. Work out the total cost of insulating Jonah's loft.

- e. The loft insulation should save Jonah £226 per year. Estimate how long it will take for this improvement to pay for itself.

Loft insulation	
£14.50 per roll	
1.1m wide	
4m long	
Professional installation service: £140	