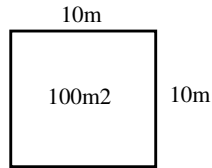


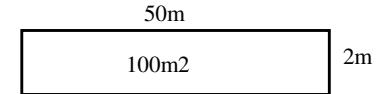
FACILITY DESIGN - QUANTITIES AND COMPARISONS



100m² House Layout Design - Example #1 (10m x 10m)



100m² House Layout Design - Example #2 (50m x 2m)



Activity	Calculations	Unit	Qty	Calculations	Unit	Qty
Foundations	Length = 10m+10m+10m+10m	m	40.0	Length = 50m+2m+50m+2m	m	104.0
Walls	40m (length) x 3m (height)	m ²	120.0	104m (length) x 3m (height)	m ²	312.0
Thatch roof (incl. overhang)	11.5m (length) x 11.5m (height) x 1.5 (45 deg pitch)	m ²	198.4	51.5m (length) x 3.5m (height) x 1.5 (45 deg pitch)	m ²	270.4

CONCLUSION

This illustrates that 2 different shaped houses, with the same area and finishes can differ in **quantities and hence cost** by between 25% and 60%