22 Kingston Lane, BN43 3YB

Volume Calculation (m)
Dormer Volume
6.12 long
4.5 wide
2.45 high
Divide by 2
Total Volume
33.73

Change from Hip to Gable End (m)
3.2 width
3.26 extension to ridge
2.7 high

Formula for Change from Hip to Gable
Area of base = 1/2 (length x depth)
therefore
1/2 (3.2*3.26) = 5.216
Formula for change of hip to gable
equals 1/3 (base x height)
therefore
1/3 (5.216x2.7) = 4.69

Therefore
33.73 for dormer + 4.69 for change from hip to gable
Total volume increase is 38.42 cubic metres