

# Volume Calculation

## Gable Build up with Rear Dormer

$$\mathbf{V\ Gable\ Build\ Up} = L \times H \times D$$

$$= \frac{4.5 \times 3.05 \times 9.5}{6}$$

$$\text{Volume} = 21.74 \text{ Cu M}$$

$$\mathbf{V\ Dormer} = (0.5 \times D) \times H \times L$$

$$= (0.5 \times 3.1) \times 2.0 \times 5.7$$

$$\text{Volume} = 17.67\text{m Cu. M}$$

## **Existing Rear Extension**

$$V = (0.5 \times B) \times H \times L$$

$$(0.5 \times 3.2) \times 1.2 \times 4.3$$

$$\text{Volume} = 8.26 \text{ Cu. M}$$

$$\text{Total Volume} = 21.74 + 17.67 + 8.26 = \underline{47.67 \text{ Cu Metres}}$$