

the gable end of my house fell down. i need to buy some bricks. the bricks come on pallets of 600. note that 5% of the bricks are broken in the building process. how many pallets do i need? the area of the gable end is 38.75m and the area of a brick is 108cm

$$\text{number of bricks} = \frac{38.75m^2}{108 \times 10^{-4}m^2} \times \frac{105}{100} \approx 3768$$

Answer: you need 7 pallets