



Q10

Answer :

Using long division method:

$$\begin{array}{r} 1.673 \\ 1 \overline{) 2.80 \, 00 \, 00} \\ \underline{1} \\ 26 \\ \underline{6} \\ 327 \\ \underline{7} \\ 3343 \\ \underline{3} \\ 1071 \end{array}$$

$$\therefore \sqrt{2.8} = 1.673$$

$$\Rightarrow \sqrt{2.8} = 1.67 \quad (\text{correct up to two decimal places})$$

Q11

Answer :

Using long division method:

$$\begin{array}{r} 0.948 \\ 9 \overline{) 0.900000} \\ \underline{9} 81 \\ \underline{81} 00 \\ 184 900 \\ \underline{4} 736 \\ \underline{736} 16400 \\ 1888 15104 \\ \underline{15104} 1296 \end{array}$$

$$\therefore \sqrt{0.9} = 0.948$$

$$\Rightarrow \sqrt{0.9} = 0.95 \quad (\text{correct up to two decimal places})$$

Q12

Answer :

Area of the rectangle = $(13.6 \times 3.4) = 46.24$ sq m

Thus, area of the square is 46.24 sq m.

Length of each side of the square = $\sqrt{46.24}$ m

Using long division method:

$$\begin{array}{r} 6.8 \\ 6 \overline{) 46.24} \\ \underline{6 36} \\ 128 1024 \\ \underline{8 1024} \\ 0 \end{array}$$

$$\sqrt{46.24} = 6.8$$

Thus, the length of a side of the square is 6.8 metres.

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