Q10

Answer :

Using long division method:

	1.673
1	$\overline{2.80}\ \overline{00}\ \overline{00}$
1	1
26	180
6	156
327	2400
7	2289
3343	11100
3	10029
	1071

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

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

Q11

Answer :

Using long division method:

	0.948
9	$\overline{0}\ \overline{90}\ \overline{00}\ \overline{00}\ \overline{00}$
9	81
184	900
4	736
1888	16400
8	15104
	1296

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

$\Rightarrow \sqrt{0.9} = 0.95$ (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:

$$
\begin{array}{r|l}
 & 6.8 \\
\hline
6 & \overline{46}.\overline{24} \\
6 & 36 \\
\hline
128 & 1024 \\
8 & 1024 \\
\hline
 & 0
\end{array}
$$

$\sqrt{46.24} = 6.8$

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

********** END **********