



Exercise 3D

$$= \left(\frac{46 \times 100}{1.15 \times 100} \right) = \left(\frac{4600}{115} \right) = 40$$

Hence, Monica has 40 pieces of cloth each of length 1.15 m.

Q15

Answer :

Total weight of all the bags of cement = 1792.8 kg

Weight of each bag = 49.8 kg

$$\begin{aligned} \text{Number of bags} &= \left(\frac{\text{Total weight}}{\text{Weight of each bag}} \right) \\ &= \left(\frac{1792.8}{49.8} \right) = \left(\frac{17928}{498} \right) = 36 \end{aligned}$$

$$\begin{array}{r} 498 \overline{)17928} 36 \\ \underline{-1494} \\ 2988 \\ \underline{-2988} \\ 0 \end{array}$$

Hence, Mr. Soni bought 36 bags of cement.

Q16

Answer :

Thickness of the pile of plywood pieces = 1.89 m = 189 cm

Thickness of one piece of plywood = 0.35 cm

$$\therefore \text{Required number of plywood pieces} = \left(\frac{189}{0.35} \right) = \left(\frac{189 \times 100}{0.35 \times 100} \right) = \left(\frac{18900}{35} \right) = 540$$

$$\begin{array}{r} 35 \overline{)18900} 540 \\ \underline{-175} \\ 140 \\ \underline{-140} \\ 0000 \\ \underline{-0000} \\ 0 \end{array}$$

Hence, 540 pieces of plywood are required to make a pile of height 1.89 m.

Q17

Answer :

Product of the given decimals = 261.36

One decimal = 17.6

The other decimal = $261.36 \div 17.6$

$$= \left(\frac{261.36}{17.6} \right) = \left(\frac{261.36 \times 10}{17.6 \times 10} \right) = \left(\frac{2613.6}{176} \right) \\ = 14.85$$

$$\begin{array}{r} 176 \overline{) 2613.6} \quad (14.85 \\ \underline{-176} \\ 853 \\ \underline{-704} \\ 1496 \\ \underline{-1408} \\ 880 \\ \underline{-880} \\ \times \end{array}$$

Hence, the other decimal is 14.85.

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