Exercise 3D

$= \left(\frac{46\times100}{1.15\times100}\right) = \left(\frac{4600}{115}\right) = 40$

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

Number of bags $= \left(\frac{\text{Total weight}}{\text{Weight of each bag}}\right)$

$= \left(\frac{1792.8}{49.8}\right) = \left(\frac{17928}{498}\right) = 36$

$$\begin{array}{r} 498\overline{)17928}(36 \\ -1494 \\ \hline 2988 \\ -2988 \\ \hline \times \end{array}$$

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

∴ Required number of plywood pieces $= \left(\frac{189}{0.35}\right) = \left(\frac{189\times100}{0.35\times100}\right) = \left(\frac{18900}{35}\right) = 540$

$$\begin{array}{r} 35\overline{)18900}(540 \\ -175 \\ \hline 140 \\ -140 \\ \hline 0000 \\ -0000 \\ \hline \times \end{array}$$

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 ÷ 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

```
176)2613.6(14.85
  -176
   853
  -704
   1496
  -1408
    880
   -880
     ×
```

Hence, the other decimal is 14.85.

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