

## ATTACHMENT : WORD PROBLEM SOLUTIONS OF EX-10D

1. 4 m 75 cm cloth is required for making a dress. Find the length of cloth required for making 8 such dresses.

**Solution,**

**Cloth required for making 1 dress = 4 m 75 cm**

**Cloth required for making 8 dresses = 4 m 75 cm x 8  
= 38 m**

$\begin{array}{r} 4 \text{ m } 75 \text{ cm} \\ \times \quad 8 \\ \hline 38 \text{ m } 00 \text{ cm} \end{array}$
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**38 m of cloth is required for making 8 dresses.**

2. 6 kg 625 g of grain is given to a horse each day. What quantity of grain is required for 5 days?

**Solution,**

**Quantity of grain to be given to the horse in 1 day = 6 kg 625 g**

**Quantity of grain to be given to the horse in 5 days = 6 kg 625 g x 5  
= 33 kg 125 g**

$\begin{array}{r} 6 \text{ kg } 625 \text{ g} \\ \times \quad 5 \\ \hline 33 \text{ kg } 125 \text{ g} \end{array}$
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**34 kg 25 g of grain is required to give in 5 days.**

3. A bottle contained 8 l 225 ml of mineral water . 9 such bottles were emptied into a large vessel. What would be the quantity of mineral water in the vessel?

**Solution,**

**Amount of mineral water in 1 bottle = 8 l 225 ml**

**Amount of mineral water in 9 bottles = 8 l 225 ml x 9  
= 74 l 025 ml**

$\begin{array}{r} 8 \text{ l } 225 \text{ ml} \\ \times \quad 9 \\ \hline 74 \text{ l } 025 \text{ ml} \end{array}$
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**74 l 025 ml of water emptied in the vessel.**

4. 8 l 575 ml milk was distributed equally among 7 children. How much milk was given to each child?

**Solution,**

**Amount of milk distributed among 7 children = 8 l 575 ml**

**Amount of milk given to 1 child = 8 l 575 ml ÷ 7  
= 1 l 225 ml**

**1 l 025 ml of of milk was given to each child.**

$\begin{array}{r} 1 \text{ l } 225 \text{ ml} \\ 7 \overline{) 8 \text{ l } 575 \text{ ml}} \\ \underline{- 7} \phantom{00} \\ 15 \phantom{00} \\ \underline{- 14} \phantom{00} \\ 17 \phantom{00} \\ \underline{- 14} \phantom{00} \\ 35 \phantom{00} \\ \underline{- 35} \phantom{00} \\ 0 \phantom{00} \end{array}$
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5. The weight of 8 large registers is 25 kg 984 g. Find the weight of 1 register.

**Solution,**

**The weight of 8 large registers = 25 kg 984 g**

**The weight of 1 large register = 25 kg 984 ÷ 7  
= 25.984 kg ÷ 7  
= 3.248 kg  
= 3 kg 248 g**

$\begin{array}{r} 3.012 \\ 8 \overline{) 25.984} \\ \underline{- 24} \phantom{00} \\ 19 \phantom{00} \\ \underline{- 16} \phantom{00} \\ 38 \phantom{00} \\ \underline{- 36} \phantom{00} \\ 24 \phantom{00} \\ \underline{- 24} \phantom{00} \\ 0 \phantom{00} \end{array}$
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**The weight of each register is 3 kg 248 g.**

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6. An iron rod of length 32 m 4 cm is cut into 6 equal pieces. What is the length of each piece?

**Solution,**

$$\begin{aligned}\text{Length of the iron rod} &= 32 \text{ m } 4 \text{ cm} \\ &= 32.04 \text{ m}\end{aligned}$$

$$\text{Number of pieces cut} = 6$$

$$\begin{aligned}\text{Length of 1 piece of the rod} &= 32.04 \text{ m} \div 6 \\ &= 5.34 \text{ m} \\ &= 5 \text{ m } 34 \text{ cm}\end{aligned}$$

**The length of each piece of the iron rod is 5 m 34 cm.**

7. A train covers a distance of 240 km 992 m in 8 hours. What distance does the train cover in 1 hour?

**Solution,**

$$\begin{aligned}\text{Distance covered in 8 hours} &= 240 \text{ km } 992 \text{ m} \\ &= 240.992 \text{ km}\end{aligned}$$

$$\begin{aligned}\text{Distance covered in 1 hour} &= 240.992 \text{ km} \div 8 \\ &= 30.124 \text{ km} \\ &= 30 \text{ km } 124 \text{ m}\end{aligned}$$

**The train covered 30 km 124 m in 1 hour.**

$$\begin{array}{r} 5.34 \\ 6 \overline{) 32.04} \\ \underline{- 30} \phantom{00} \\ 20 \\ \underline{- 18} \phantom{00} \\ 24 \\ \underline{- 24} \phantom{00} \\ 0 \end{array}$$

$$\begin{array}{r} 30.124 \\ 8 \overline{) 240.992} \\ \underline{- 24} \phantom{000} \\ 009 \\ \underline{- 8} \phantom{00} \\ 19 \\ \underline{- 16} \phantom{00} \\ 32 \\ \underline{- 32} \phantom{00} \\ 0 \end{array}$$

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