

ATTACHEMENT : 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**

$\begin{array}{r} 4 \text{ m } 75 \text{ cm} \\ \times \quad 8 \\ \hline 38 \text{ m } 00 \text{ cm} \end{array}$

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 a horse in 1 day = 6 kg 625 g

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

$\begin{array}{r} 6 \text{ kg } 625 \text{ g} \\ \times \quad 5 \\ \hline 33 \text{ kg } 125 \text{ g} \end{array}$

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**

$\begin{array}{r} 8 \text{ l } 225 \text{ ml} \\ \times \quad 9 \\ \hline 74 \text{ l } 025 \text{ ml} \end{array}$

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.

$\begin{array}{r} 8 \overline{) 8 \text{ l } 575 \text{ ml}} \\ \underline{- 7} \\ 15 \\ \underline{- 14} \\ 17 \\ \underline{- 14} \\ 35 \\ \underline{- 35} \\ 0 \end{array}$

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**

$\begin{array}{r} 8 \overline{) 25.984} \\ \underline{- 24} \\ 19 \\ \underline{- 16} \\ 38 \\ \underline{- 32} \\ 64 \\ \underline{- 64} \\ 0 \end{array}$

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,

$$\begin{aligned}\text{The weight of 6 large registers} &= 32 \text{ m } 4 \text{ cm} \\ &= 32.04 \text{ m}\end{aligned}$$

$$\begin{aligned}\text{The weight of 1 large register} &= 32.04 \text{ m} \div 6 \\ &= 5.34 \text{ m} \\ &= 5 \text{ m } 34 \text{ cm}\end{aligned}$$

The 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,

$$\begin{aligned}\text{The weight of 8 large registers} &= 240 \text{ km } 992 \text{ m} \\ &= 240.992 \text{ km}\end{aligned}$$

$$\begin{aligned}\text{The weight of 1 large register} &= 240.992 \text{ km} \div 8 \\ &= 30.124 \text{ km} \\ &= 30 \text{ km } 124 \text{ m}\end{aligned}$$

The train covered 30 km 124 m in 1 hour.

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

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

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