

Decimal Fractions

Lecture sheet – 5

Word Problem

1) We want to equally divide 0.6 L of milk into 3 students. How many litres of milk will each student have?

Solution:

3 students get 0.6 L of milk

1 student get $(0.6 \div 3)$ L of milk

= 0.2 L

Ans: 0.2 L

Rough

0.2

3) 0.6

0

6

6

0

2) 5 students want to divide 4.5 meters of tape equally among them. How many metres of tape will each have?

Solution:

5 students get 4.5 m of tape

1 student get $(4.5 \div 5)$ m of tape

= 0.9 m of tape

Ans: 0.9 m of tape

Rough

0.9

5) 4.5

0

45

45

0

3) There are 0.63 litres of oil in a container. When we divide it equally into 7 cups, how many litres of oil will each cup contain?

Solution:

7 cups contain 0.63 L of oil
1 cup contain ($0.63 \div 7$) L of oil
= 0.09 L of oil

Ans: 0.09 L of oil

Rough

$$\begin{array}{r} 0.09 \\ \hline 7 \overline{) 0.63} \\ \underline{0} \\ 6 \\ \underline{0} \\ 63 \\ \underline{63} \\ 0 \end{array}$$

4) We want to equally divide 2 litres of milk into 5 students. How many litres of milk will each student have?

Solution:

5 students get 2 L of milk
1 Students get ($2 \div 5$) L of milk
= 0.4 L of milk

Ans: 0.42 L of milk

Rough

$$\begin{array}{r} 0.4 \\ \hline 5 \overline{) 2.0} \\ \underline{0} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

5) villagers want to equally divide 35.28 litres of oil by 9 families. How many litres of oil will each family receive?

Solution:

9 families receive 35.28 L of oil
1 family receive ($35.28 \div 9$) L of oil
= 3.92 L of oil

Ans: 3.92 L of oil

Rough

$$\begin{array}{r}
 3.92 \\
 9 \overline{) 35.28} \\
 \underline{27} \\
 82 \\
 \underline{81} \\
 18 \\
 \underline{18} \\
 0
 \end{array}$$

6) There are 12 cups of the same kind, which weigh 4.14 kg. How many kg does each cup weigh?

Solution:

12 cups weigh 4.14 kg

1 cup weigh (4.14 ÷ 12) kg

= 0.345 kg

Ans: 0.345 kg

Rough

$$\begin{array}{r}
 0.345 \\
 12 \overline{) 4.140} \\
 \underline{0} \\
 41 \\
 \underline{36} \\
 54 \\
 \underline{48} \\
 60 \\
 \underline{60} \\
 0
 \end{array}$$

Exercise (Do yourself)

Book Exercise – 7(A)

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