

Chapter 11: Tables and Shares

NCERT · Class 4 · Maths

Chapter activities

Question 1

What are the ways in which the sunflower and marigold are planted?

$$18 = \underline{\quad} \times \underline{\quad}$$

So, there are $\underline{\quad}$ rows with $\underline{\quad}$ plants each.

$$18 = \underline{\quad} \times \underline{\quad}$$

So, there are $\underline{\quad}$ rows with $\underline{\quad}$ plants each.

Solution

Ans : Here,

$18 = 1 \times 18$, so there is 1 row with 18 plants.

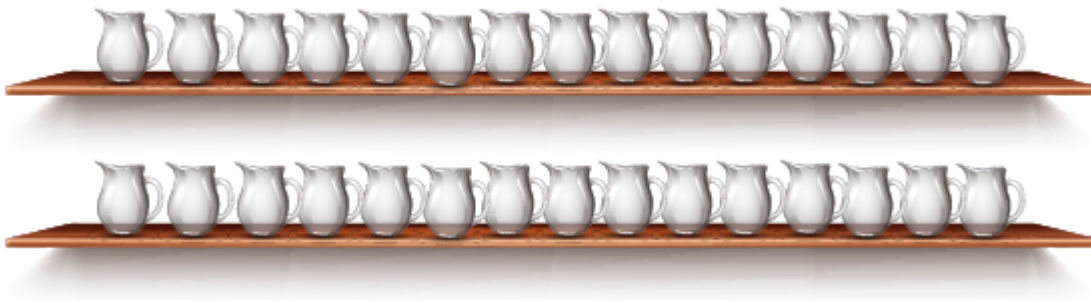
$18 = 2 \times 9$, so there are 2 rows with 9 plants each.

Question 2

Jars in the Shelf Bheema made a shelf for 30 jars. This is a long shelf with two rows. Each row has the same number of jars. Can you think of other ways to make a shelf to keep 30 jars?

Draw a shelf. Show how many jars you will keep in each row. How many rows are there?

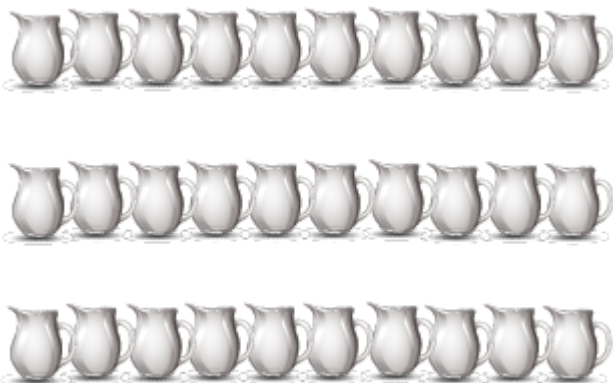
Have your friends drawn it in different ways?



Solution

Ans: Yes, we can make a shelf in 3 rows in which each row has 10 jars. The shelf looks like as given below figure :

$$\text{Number of jars in each row} = 30 \div 3 = 10$$



The other ways to keep the jars as follows

5 rows containing 6 jars in a row

6 rows containing 5 jars in a row

Question 3

Help Bunty to make the table of 7, using tables of 4 and 3.

Table of 4

1X4	2X4	3X4	4X4	5X4	6X4	7X4	8X4	9X4	10X4
4	8								

Table of 3

1X3	2X3	3X3	4X3	5X3	6X3	7X3	8X3	9X3	10X3
3	6								

Table of 7

7									
---	--	--	--	--	--	--	--	--	--

Solution

Ans : Here for solving this,

We will use the tables of 4 and 3 for writing the table of 7.

Pictorial representation :

Table of 4

1X4	2X4	3X4	4X4	5X4	6X4	7X4	8X4	9X4	10X4
4	8	12	16	20	24	28	32	36	40

Table of 3

1X3	2X3	3X3	4X3	5X3	6X3	7X3	8X3	9X3	10X3
3	6	9	12	15	18	21	24	27	30

Table of 7

7	14	21	28	35	42	49	56	63	70
---	----	----	----	----	----	----	----	----	----

Question 4

Which two tables will you use for writing the table of 12?

Solution

Ans: Here for solving this,

We will use the tables of 5 and 7 for writing the table of 12.

The table of 5 is given below:

1x5	2x5	3x5	4x5	5x5	6x5	7x5	8x5	9x5	10x5
5	10	15	20	25	30	35	40	45	50

The table of 7 is given below:

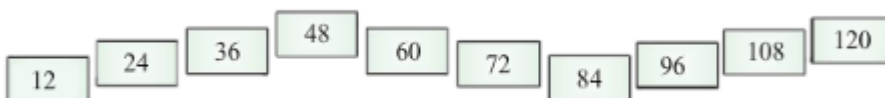
1x7	2x7	3x7	4x7	5x7	6x7	7x7	8x7	9x7	10x7
7	14	21	28	35	42	49	56	63	70

Now, the table 12 has become as given below:

$5 + 7$	$10 + 14$	$15 + 21$	$20 + 28$	$25 + 35$	$30 + 42$
12	24	36	48	60	72

$35 + 49$	$40 + 56$	$45 + 63$	$50 + 70$
84	96	108	120

Pictorial Representation :



Question 5

How many legs ?	4	8	12					
How many cats ?	1	2						

So 28 legs mean _____ cats.

Solution

Ans : Here,

Number of legs of 1 cat = $1 \times 4 = 4$

Number of legs of 2 cats = $2 \times 4 = 8$

Number of legs of 3 cats = $3 \times 4 = 12$

After reading the above data , we can easily fill the given table :

How many legs ?	4	8	12	16	20	24	28	32
How many cats ?	1	2	3	4	5	6	7	8

So, from the table we can see that 7 cats have 28 legs.

Question 6

Billo has kept his chickens in a box. He counted 28 legs. How many chickens are there ?

Solution

Ans: A chicken has 2 legs. So, If there are total 28 legs then the number of chickens kept in the box :

$$= 28 \div 2 = 14$$

How many legs ?	2	4	6	8	10	12	14	16	18	20	22	24	26	28
How many chickens?	1	2	3	4	5	6	7	8	9	10	11	12	13	14

From the table, we can see 14 chickens have 28 legs.

Thus, 14 chickens are there in the box.

Question 7

Leela has not gone to school for 21 days. For how many weeks was she away from school?

Solution

Ans: Number of days Leela did not go to school = 21days.

A week has 7 days so the number of weeks Leela did not go to school = $21 \div 7 = 3$

$$\begin{array}{r} 3 \\ 7 \overline{)21} \\ - 21 \\ \hline 0 \end{array}$$

How Many Days?	7	14	21
How Many Weeks?	1	2	3

Here, 21 days means 3 weeks.

Thus, Leela did not go to school for 3 weeks.

Question 8

A frog jumps 3 steps at a time starting from 0.

- Count the jumps he takes to reach 27. So, he has taken $27 \div 3 = \underline{\quad\quad}$ jumps.



He has taken _____ jumps, if he is at 36.

- If he is at 42, he has taken _____ jumps. Starting from 0, a rabbit jumps 5 steps at a time.
- In how many jumps does he reach 25? _____
- He reaches _____ after taking 8 jumps. • He needs _____ jumps to reach 55.

Solution

Ans: Here,

- Number of jumps taken by the frog to cover 3 steps = 1

Number of jumps taken by the frog to cover 27 steps = $27 \div 3 = 9$

So, he has taken $27 \div 3 = 9$ jumps.

- Number of jumps taken by the frog to cover 3 steps = 1

Number of jumps taken by the frog to cover 36 steps = $36 \div 12 = 3$

He has taken 12 jumps, if he is at 36.

- Number of jumps taken by the frog to cover 3 steps = 1

Number of jumps taken by the frog to cover 42 steps = $42 \div 3 = 14$

If he is at 42, he has taken 14 jumps.

- Number of jumps taken by the rabbit to cover 5 steps = 1

Number of jumps taken by the frog to cover 25 steps = $25 \div 5 = 5$

Thus, the rabbit will reach 25 in 5 jumps.

- Number of steps covered in 1 jump = 5

Number of steps covered in 8 jumps = $5 \times 8 = 40$

He reaches 40 after taking 8 jumps.

- Number of jumps taken by the rabbit to cover 5 steps = 1

Number of jumps taken by the frog to cover 55 steps = $55 \div 5 = 11$

He needs 11 jumps to reach 55.

Question 9

Practice Time

1. $28 \div 2 =$

Solution

Ans:

$$\begin{array}{r} 14 \\ 2 \overline{)28} \\ \underline{- 2} \\ 08 \\ \underline{- 8} \\ 0 \end{array}$$

1. $56 \div 7 =$

Ans :

$$\begin{array}{r} 8 \\ 7 \overline{)56} \\ \underline{- 56} \\ 0 \end{array}$$

1. $48 \div 4 =$

Ans

$$\begin{array}{r} 12 \\ 4 \overline{)48} \\ - 4 \\ \hline 08 \\ - 8 \\ \hline 0 \end{array}$$

1. $66 \div 6 =$

Ans:

$$\begin{array}{r} 11 \\ 6 \overline{)66} \\ - 6 \\ \hline 06 \\ - 6 \\ \hline 0 \end{array}$$

1. $96 \div 8 =$

Ans:

$$\begin{array}{r} 12 \\ 8 \overline{)96} \\ - 8 \\ \hline 16 \\ - 16 \\ \hline 0 \end{array}$$

1. $110 \div 10 =$

Ans:

$$\begin{array}{r} 11 \\ 10 \overline{)110} \\ - 10 \\ \hline 10 \\ - 10 \\ \hline 0 \end{array}$$

Question 10

He took 28 shells for one necklace. $112 - 28 = 84$ Now he was left with 84 shells. Again he took 28 more shells for the second necklace.

- How many shells are left now? _____ Then he took shells for the third necklace.
- So he was left with _____ shells.
- How many necklaces can Dhruv make from 112 shells? _____
- Are the shells enough for making necklaces for all his friends? _____.

Solution

Ans: After making the first necklace, Dhruv was left with 84 shells.

Number of shells used for the second necklace = 28

Number of shells left with Dhruv = $84 - 28 = 56$

Working: = $84 - 28 = 56$ Thus, Dhruv was left with 56 shells after making the second necklace.

Dhruv took 28 more shells for making the third necklace. Number of shells left with

Dhruv after making third necklace = $56 - 28 = 28$

Dhruv made a necklace of 28 shells for each of his three friends.

After making the necklaces for his friends, he was left with 28 shells.

So, he could make one more necklace with the remaining shells. Thus, Dhruv could make a total of 4 necklaces with 112 shells.

Yes, the number of shells were enough for making necklaces for all the friends. After making 3 necklaces for his friends, 28 shells were still left with Dhruv.

Question 11

Kannu made a necklace of 17 sea-shells. How many such necklaces can be made using 100 sea shells?

Solution

Ans: Total number of shells = 100

Kannu made 1 necklace of 17 sea-shells.

Hence, number of shells left after making 1 necklace = $100 - 17 = 83$

shells left after making 2 necklace = $83 - 17 = 66$

shells left after making 3 necklace = $66 - 17 = 49$

shells left after making 4 necklace = $49 - 17 = 32$

shells left after making 5 necklace = $32 - 17 = 15$

Thus, 15 shells were left after making 5 necklaces.

Therefore, 5 necklaces can be made by using 100 sea shells.

Question 12

One carton can hold 85 soap bars. Shally wants to pack 338 soap bars. How many cartons does she need for packing all of them?

Solution

Ans: Soap bars 1 carton can hold = 85

Soap bars 2 cartons can hold = $2 \times 85 = 170$

Soap bars 3 cartons can hold = $3 \times 85 = 255$

Soap bars 4 cartons can hold = $4 \times 85 = 340$

340 soaps can be accommodated in 4 cartons. Thus, 4 cartons will be needed to pack 338 soap bars.

Question 13

Manpreet wants 1500 sacks of cement for making a house. A truck carries 250 sacks at a time. How many trips will the truck make?

A driver charges Rs 500 for a trip. How much will Manpreet pay the driver for all the trips?

Solution

Ans: Number of sacks a truck can carry at a time = 250

In 2 trips number of sack carried = $250 \times 2 = 500$

In 3 trips number of sack carried = $250 \times 3 = 750$

In 4 trips number of sack carried = $250 \times 4 = 1000$

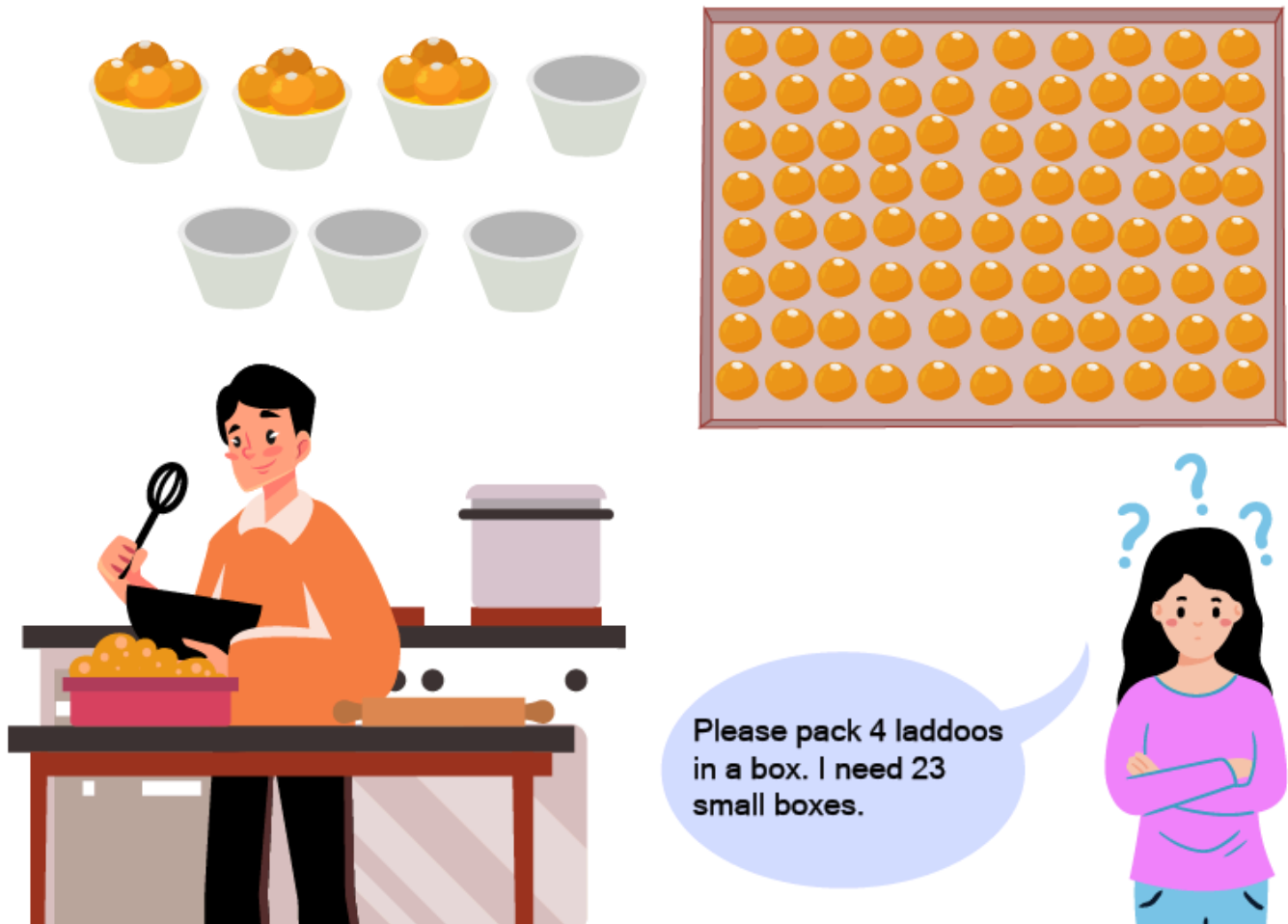
In 5 trips number of sack carried = $250 \times 5 = 1250$

In 6 trips number of sack carried = $250 \times 6 = 1500$

Thus, 6 trips are required to carry 1500 sacks.

Question 14

Gangu's Sweets Gangu is making sweets for Id. He has made a tray of 80 laddoos.



Are the sweets in the tray enough to pack 23 small boxes? _____

- How many more sweets are needed? _____
- Gangu also has a bigger box in which he packs 12 laddoos.

How many boxes does he need for packing 60 laddoos?

Solution

Ans: Number of laddoos in a smallbox = 4

Number of laddoos needed to pack 23 small boxes = $4 \times 23 = 92$

Total number of laddoos in the tray = 80

No, the laddoos are not enough to pack in the boxes. There are 80 laddoos and 92 laddoos are required. Thus, Gangu is falling short of 12 laddoos.

As number of laddoos required to pack 23 small boxes = 92

Number of laddoos available = 80

Number of laddoos needed = $92 - 80 = 12$

Therefore, still 12 more laddoos are required to pack 23 small boxes.

Question 15

Practice Time : Neelu brought 15 storybooks to her class. Today 45 students are present. How many children will need to share one book?

Solution

Ans: Neelu brought 15 storybooks to her class 45 students are present in the class

Total number of children sharing one book = $45 \div 15 = 3$

Thus, 3 children need to share one book.

Question 16

Practice Time: A family of 8 people needs 60 kg wheat for a month. How much wheat does this family need for a week?

Solution

Ans: In one month a family requires 60kg of wheat.

In a month, there are 4 weeks.

So, the quantity of wheat required in one week by the family = $60 \div 4\text{kg} = 15\text{kg}$

$$\begin{array}{r} 15 \\ 4 \overline{)60} \\ \underline{-4} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

Thus, the family needs 15 kg of wheat in one week.

Question 17

Practice Time:



Time Razia wants change for Rs 500.

How many notes will she get if she wants in return.



1. All 100 rupee notes? _____



1. All 50 rupee notes? _____



(c) All 20 rupee notes? _____



(d) All 5 rupee notes? _____

Solution

Ans:

1. Total money with Razia = Rs 500

Razia wants a change for Rs 500 in the form of 100 rupee notes.

Number of 100 rupee notes that Razia will get = $500 \div 100 = 5$

1. Total money with Razia = Rs 500

Razia wants a change for Rs 500 in the form of 50 rupees notes.

Number of 50 rupees notes that Razia will get = $500 \div 50 = 10$

1. Total money with Razia = Rs 500

Razia wants a change for Rs 500 in the form of 20 rupees notes.

Number of 20 rupees notes that Razia will get = $500 \div 20 = 25$

1. Total money with Razia = Rs 500

Razia wants a change for Rs 500 in the form of 5 rupees notes.

Number of 5 rupee notes that Razia will get = $500 \div 5 = 100$

Question 18

Practice Time: You have to distribute 72 tomatoes equally in 3 baskets. How many tomatoes will there be in each?

Solution

Ans: If 72 tomatoes needed to be equally distributed in three baskets then each basket will contain

$$= 72 \div 3 = 24.$$

$$\begin{array}{r} 24 \\ 3 \overline{)72} \\ \underline{-6} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

Thus, 24 tomatoes will be there in each basket.

Question 19

Practice Time There are 350 bricks in a hand-cart. Binod found the weight of a brick to be 2 kg. What will be the weight of all the bricks?

Solution

Ans : If the weight of 1 brick is 2 kg then the weight of 350 bricks

$$= 2 \times 350\text{kg} = 700\text{kg}$$

Thus, the weight of all the bricks is 700kg.

Question 20

Try Doing These :

(a) $65 \div 5$

(b) $84 \div 2$

(c) $69 \div 3$

(d) $90 \div 6$

(e) $72 \div 4$

(f) $108 \div 9$

(g) $232 \div 2$

(h) $428 \div 2$

Solution

Ans:

$$\begin{array}{r} 13 \\ 5 \overline{)65} \\ \underline{-5} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

Ans:

$$\begin{array}{r} 42 \\ 2 \overline{)84} \\ \underline{-8} \\ 4 \\ \underline{-4} \\ 0 \end{array}$$

Ans:

$$\begin{array}{r} 23 \\ 3 \overline{)69} \\ \underline{-6} \\ 9 \\ \underline{-9} \\ 0 \end{array}$$

Ans:

$$\begin{array}{r} 15 \\ 6 \overline{)90} \\ \underline{-6} \\ 30 \\ \underline{-30} \\ 0 \end{array}$$

Ans:

$$\begin{array}{r} 18 \\ 4 \overline{)72} \\ - 4 \\ \hline 32 \\ - 32 \\ \hline 0 \end{array}$$

Ans:

$$\begin{array}{r} 12 \\ 3 \overline{)108} \\ - 6 \\ \hline 18 \\ - 18 \\ \hline 0 \end{array}$$

Ans:

$$\begin{array}{r} 116 \\ 2 \overline{)232} \\ - 2 \\ \hline 3 \\ - 2 \\ \hline 12 \\ - 12 \\ \hline 0 \end{array}$$

Ans:

$$\begin{array}{r} 224 \\ 2 \overline{)428} \\ - 4 \\ \hline 2 \\ - 2 \\ \hline 8 \\ - 8 \\ \hline 0 \end{array}$$

Question 21

Meera made 204 candles to sell in the market. She makes packets of 6. How many packets will she make? If she packs them in packets of 12, then how many packets will she make?

Solution

Ans: Number of candles made by Meera = 204

Number of candles in each packet = 6

Total number of packets of candles = $204 \div 6 = 34$

$$\begin{array}{r} 34 \\ 6 \overline{)204} \\ \underline{-18} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

Thus, 34 packets are required for 204 candles.

If Meera packs 12 candles in each packet then number of packets required for 204 candles

= $204 \div 12 = 17$

$$\begin{array}{r} 17 \\ 12 \overline{)204} \\ \underline{-12} \\ 84 \\ \underline{-84} \\ 0 \end{array}$$

Thus, Meera will be needing 17 packets to pack 204 candles with each packet containing 12 candles.

Question 22

On Sports Day, 161 children are in the school playground. They are standing in 7 equal rows. How many children are there in each row?

Solution

Ans: Students present in the playground = 161

Number of rows = 7

If the number of students are equal in each row then the number of students in each row

$$= 161 \div 7 = 23$$

$$\begin{array}{r} 23 \\ 7 \overline{)161} \\ \underline{-14} \\ 21 \\ \underline{-21} \\ 0 \end{array}$$

Thus, In each row there are 23 students.

Question 23

There are 8 packets of rakhis. Each packet has 6 rakhis in it. Your question:

Solution

Ans: Number of Rakhis in each packet = 6

$$\text{Total number of packets} = 8 \times 6 = 48$$

Thus, there are a total of 48 rakhis in 8 packets.

My question: How many rakhis are there in total?

Question 24



There are 10 packets of sugar. Saurabh paid 110 rupees for all the packets. Your question:

Solution

Ans: Cost of 10 packets of sugar = Rs 110 = $Rs110$

Cost of one packet of sugar = $Rs110 \div 10 = Rs11$

Thus, the cost of each packet of sugar is Rs 11.

What is the cost of 1 packet of sugar?

Question 25



There are 35 students in 7 rows. Each row has the same number of students. Your question:

Solution

Ans: Total number of students = 35

Total number of row = 7

If the number of students are equal in all the rows then each row has

$= 35 \div 7 = 7$ students.

Thus, there are 7 students in each row.

How many students are there in each row?

Question 26

Hari, Seema, Chinku and Lakshmi are going to Guwahati. The cost of one rail ticket is Rs 62.



Your question :

Solution

Ans: Cost of one ticket = Rs 62

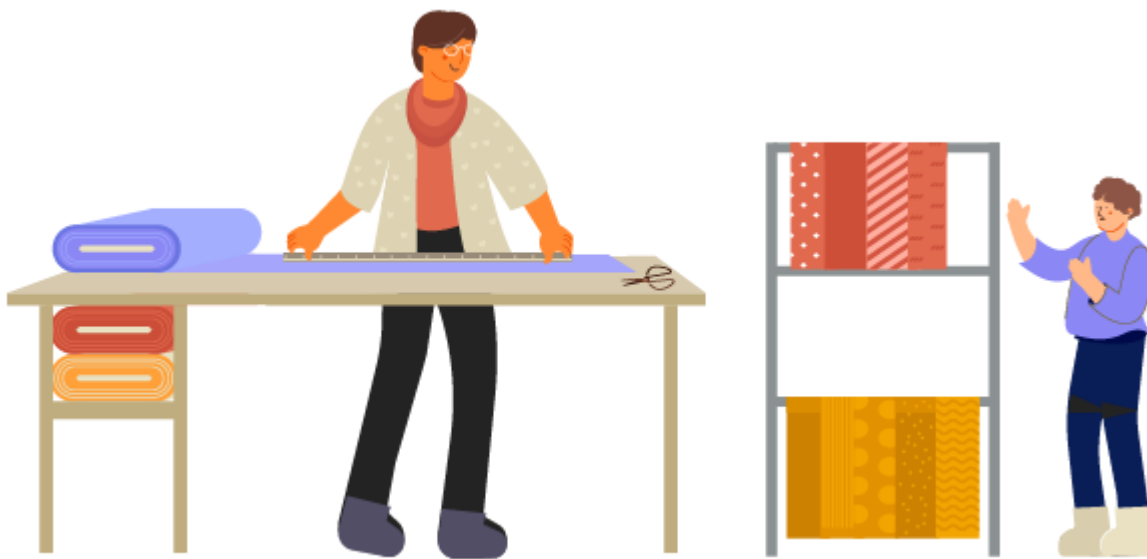
Number of people = 4

Total cost of the ticket = $Rs62 \times 4 = Rs248$

What is the total cost of the rail tickets?

Question 27

One metre of cloth costs Rs 20. Lalbiak bought some cloth and paid Rs 140.



Solution

Ans: Total amount paid by Lalbiak = $Rs140$

Cost of 1 metre of cloth = $Rs20$

Total number of metres of cloth bought = $Rs140 \div 20 = Rs7$

Thus, Lalbiak bought 7 metres of clothes for Rs 140.

How many metres of cloth did Lalbiak buy?