

NOTES

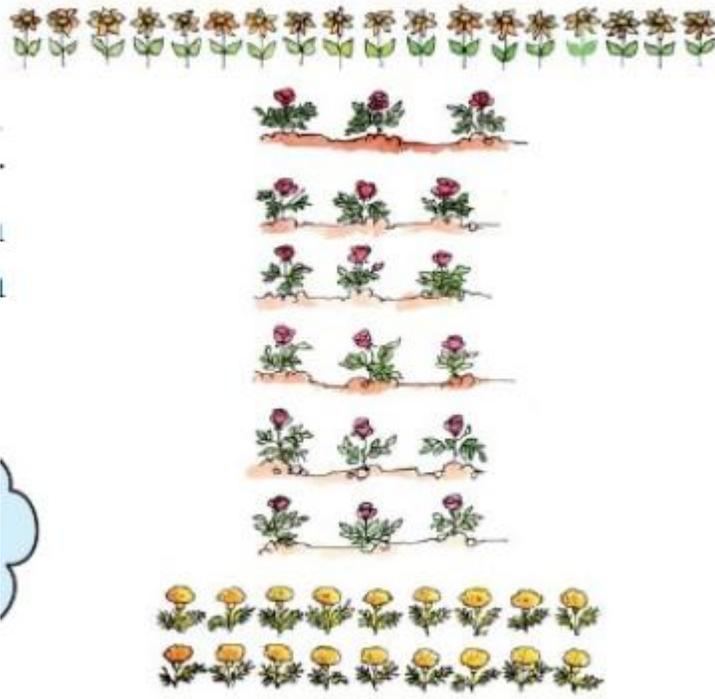
CLASS: IV

SUB : MATHEMATICS

TOPIC : TABLES AND SHARES

MONTH : NOVEMBER

SHYAMA'S GARDEN

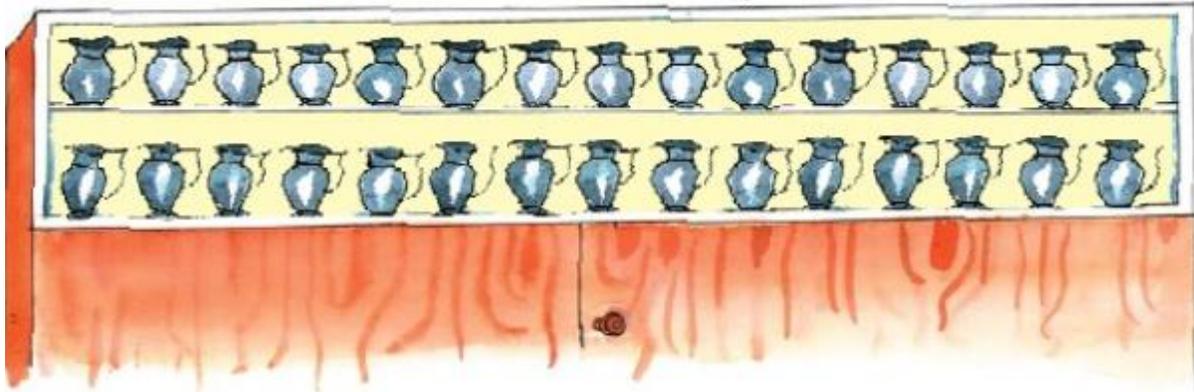


1. What are the ways in which the sunflower and marigold are planted?

Ans.  $18 = 1 \times 18$  So there are 1 rows with 18 plants each.

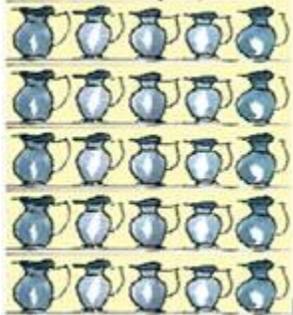
$18 = 2 \times 9$  So there are 2 rows with 9 plants each.

## JARS IN THE SHELF



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

**Ans.** A shelf to keep 30 jars is shown in the adjoining figure:



Yes, my friends make it in different ways as under:

$30 = 10 \times 3$  So, there are 10 rows with 3 jars each.

$30 = 5 \times 6$  So, there are 5 rows with 6 jars each.

**3. Can you think of other ways to make a shelf to keep 30 jars?**

**Ans.** The other ways to make a shelf to keep 30 jars can be as under:

$30 = 10 \times 3$  So, there are 10 rows with 3 jars each.

$30 = 3 \times 10$  So, there are 3 rows with 10 jars each.

$30 = 5 \times 6$  So, there are 5 rows and 6 jars each.

$30 = 6 \times 5$  So, there are 6 rows and 5 jars each

## EASY TRICKS

Table of 4

$\frac{1 \ 4}{4}$	$\frac{2 \ 4}{8}$	$\frac{3 \ 4}{12}$	$\frac{4 \ 4}{16}$	$\frac{5 \ 4}{20}$	$\frac{6 \ 4}{24}$	$\frac{7 \ 4}{28}$	$\frac{8 \ 4}{32}$	$\frac{9 \ 4}{36}$	$\frac{10 \ 4}{40}$
-------------------	-------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	---------------------

Table of 3

$\frac{1 \ 3}{3}$	$\frac{2 \ 3}{6}$	$\frac{3 \ 3}{9}$	$\frac{4 \ 3}{12}$	$\frac{5 \ 3}{15}$	$\frac{6 \ 3}{18}$	$\frac{7 \ 3}{21}$	$\frac{8 \ 3}{24}$	$\frac{9 \ 3}{27}$	$\frac{10 \ 3}{30}$
-------------------	-------------------	-------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	---------------------

Table of 7

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

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

**Ans.** The tables of 4 and 8 can be used for writing the table of 12.

## How Many Cats?



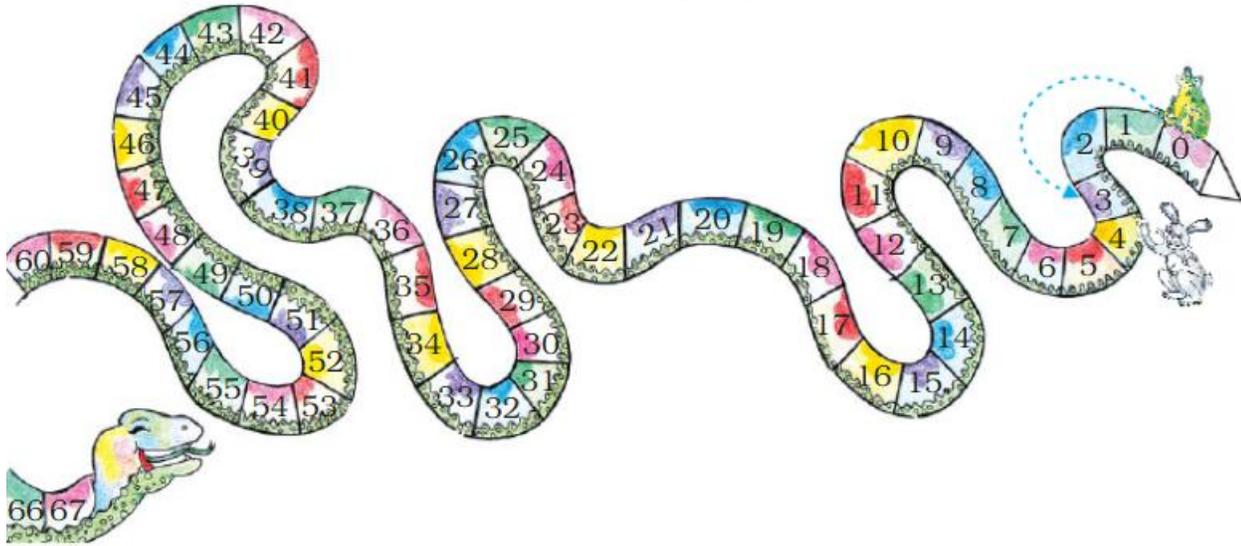
How many legs?	4	8	12	<b>16</b>	<b>20</b>	<b>24</b>	<b>28</b>	<b>32</b>
How many cats?	1	2	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>

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

How many days?	7	14	21
How many weeks?	1	2	3

So, 21 days mean 3 weeks.

**JUMPING WITH ANIMALS**

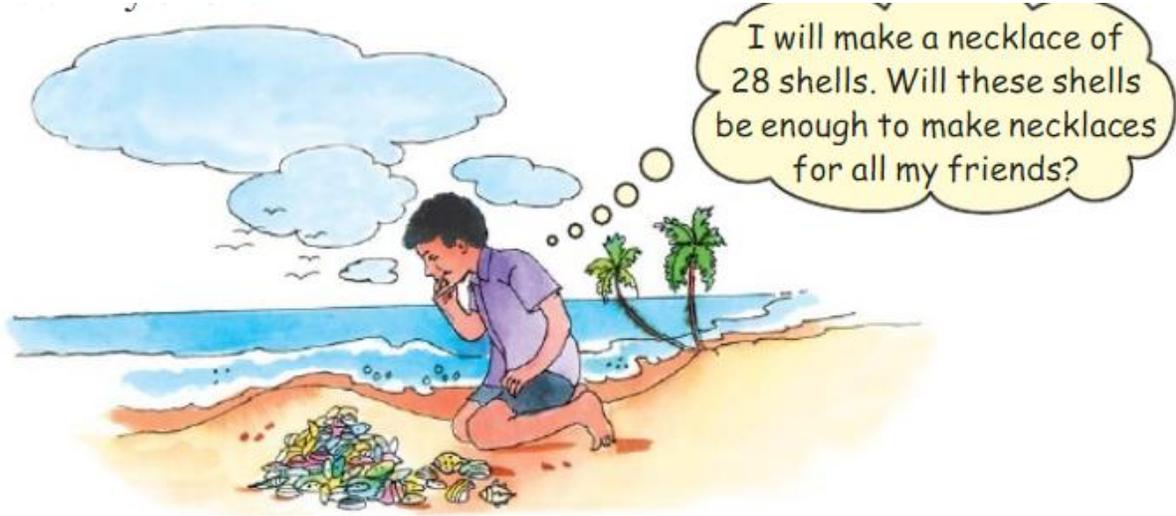


6. Count the jumps he takes to reach 27. So, he has taken  $\frac{27}{3} = \underline{\quad}$  jumps.  
 Ans. (a) So, he has taken 9 jumps.

7. He has taken 12 jumps if he is at 36.  
 Ans. (b) Because  $\frac{36}{3} = 12$ .

8. If he is at 42, he has taken 14 jumps.  
 Ans. (c) Because  $\frac{42}{3} = 14$ .

## SEASHELLS



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

**Ans. (a)** Let us do this problem by the process of repeated subtraction.

(1)  $100 - 17 = 83$

(2)  $83 - 17 = 66$

(3)  $66 - 17 = 49$

(4)  $49 - 17 = 32$

(5)  $32 - 17 = 15$

Thus, Kannu can make 5 necklaces of 17 sea-shells using 100 sea-shells. He will also be left with 15 sea-shells as unused.

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

**Ans. (b)** By the process of repeated subtraction, we have

(1)  $338 - 85 = 253$

(2)  $253 - 85 = 168$

(3)  $168 - 85 = 83$

## Gangu's Sweets

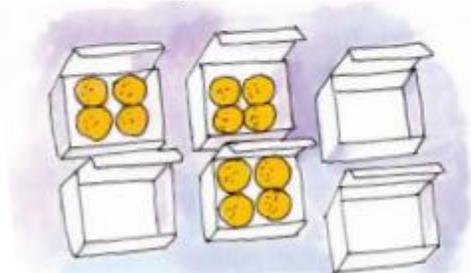
Gangu is making sweets for Id. He has made a tray of 80 *laddoos*.



Please pack 4 laddoos in a box. I need 23 small boxes.



Rabiya



**11. Are the sweets in the tray enough to pack 23 small boxes?**

**Ans. (a)** Laddoos needed for 23 small boxes at the rate of 4 per pack =  $4 \times 23 = 92$ . Because  $92 > 80$ , so the sweets in the tray are not enough.

**12. How many more sweets are needed?**

**Ans. (b)** Number of more sweets needed =  $92 - 80 = 12$ .

**13. Gangu also has a bigger box in which he pack 12 laddoos. How many boxes does he used he need for packing 60 laddoos?**

**Ans. (c)** Number of boxes needed for packing 60 laddoos at the rate of 12 per pack =  $\frac{60}{12} = 5$ .

### PRACTICE TIME-

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

**Ans.** Number of students = 45

Number of story books = 15

Number of children sharing one book =  $\frac{45}{15} = 3$

Thus, 3 children will need to share one book.

---

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

**Ans.** Wheat needed by a family for a month = 60 kg

Therefore, wheat needed by a family for a week =  $\left(\frac{60}{4}\right) = 15$  kg.

---

**16. Razia wants change for Rs. 500. How many notes will she get if she wants in return.**

**Ans. (1)** Number of notes required =  $\frac{500}{100} = 5$

**(2)** Number of notes required =  $\frac{500}{50} = 10$

**(3)** Number of notes required =  $\frac{500}{20} = 25$

**(4)** Number of notes required =  $\frac{500}{5} = 100$

### Children and their Grandfather

Rashi, Seema, Mridul, Rohit and Lokesh asked their grandfather to give them money for the Fair.



I have 70 rupees in my pocket.  
Tell me how to share money  
equally among all of you . If you  
are right, you get this money!



**17. Now use your own method to divide Rs. 70 equally among 5 people. If you want you can start by giving Rs. 2 to each. Or you can even start with Rs. 11 to each.**

**Ans.** Let us start with Rs. 11 to each.

First, I give Rs. 11 to each.

$$\begin{array}{r} 11+3 \\ 5 \overline{) 70} \\ \underline{-55} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

I have distributed  $11 \times 5 = 55$  rupees. Next, I give Rs. 3 more to everyone. I have distributed  $5 \times 3 = 15$  rupees. Now nothing is left. And all the money is divided equally. So, each child gets  $11 + 3 = 14$  rupees.

**18. 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?**

**Ans. (i)** Number of candles = 204

$$\text{Number of packets at the rate of 6 packets} = \frac{204}{6} = 34$$

$$\begin{array}{r} 30+4 \\ 6 \overline{) 204} \\ \underline{-180} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

Thus, the required number of packets = 34.

$$\text{Number of packet @ 12 per packet} = \frac{204}{12} = 17.$$

$$\begin{array}{r} 10+5+2 \\ 12 \overline{) 204} \end{array}$$

$$\begin{array}{r} -120 \\ 84 \end{array}$$

$$\begin{array}{r} -60 \\ 24 \end{array}$$

$$\begin{array}{r} -24 \\ 0 \end{array}$$

Thus, the required number of packet = 17.

**19. 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?**

**Ans. (i)** Number of children = 161

They are standing in 7 equal rows.

$$\text{Number of children per row} = \frac{161}{7} = 23$$

Thus, there are 23 children standing in each row.

### **STORY PROBLEMS-**

**Shristi's Grandma asking her to make problems**

**Look at the picture at make a question on it**

**1. There are 3 egg tray. Each tray has 12 eggs in it.**

**My question : How many eggs are there in all?**

**Ans. Number of eggs:  $3 \times 12 = 36$  eggs**



Now you look at the other pictures and make questions



**2. There are 6 packets of rakhis. Each packet has 6 rakhis in it.**

**Ans.** My question: How many rakhis are there in all?

$$\text{Number of rakhis} = 6 \times 6 = 36$$

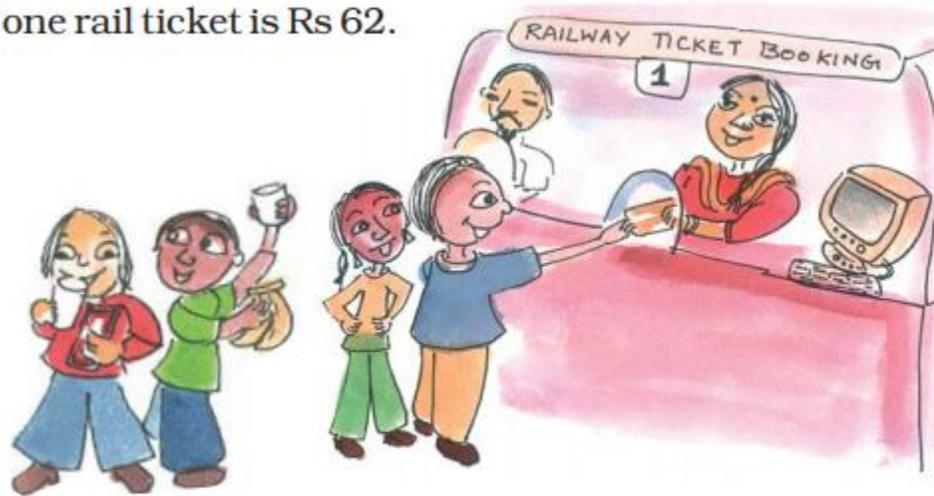


**3. There are 5 pencil boxes. Each pencil box has 10 pencils.**

**Ans.** My question: How many pencils are there in all?

$$\text{Number of pencils} = 5 \times 10 = 50 \text{ pencils}$$

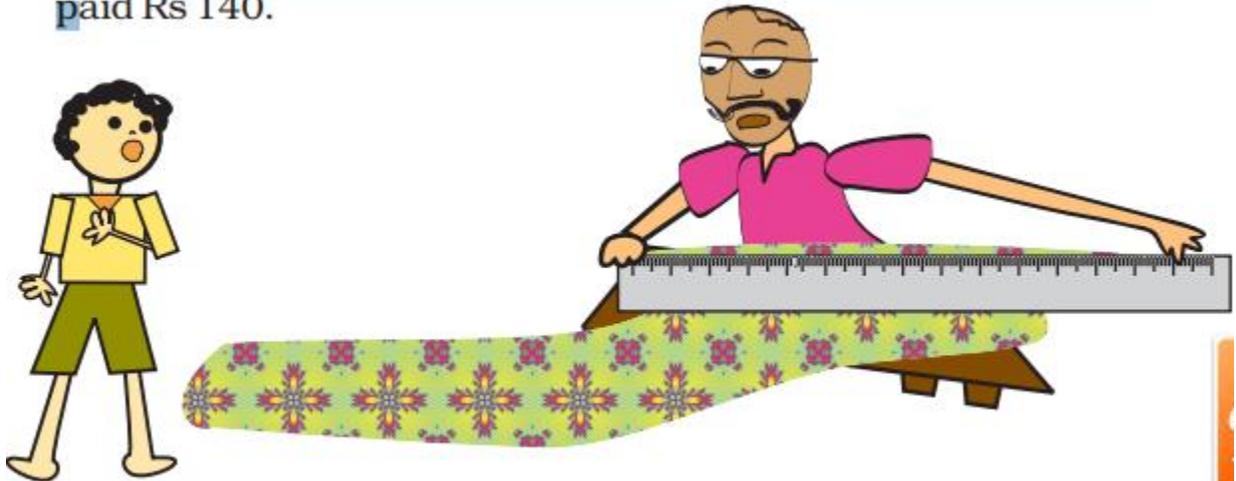
4. Hari, Seema, Chinku and Lakshmi are going to Guwahati.  
The cost of one rail ticket is Rs 62.



Your question: How much is the cost of 4 rail tickets?

Ans. Cost of 4 rail tickets = Rs.  $62 \times 4$  = Rs. 248

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



Your question: How many metres of cloth was bought for Rs. 140?

Ans. Length of cloth bought for R. 140 =  $\left(\frac{140}{20}\right)$  m = 7 m.