



Affiliation No. 1130703
Academic session 2024-25
Lesson no. 7 Notes(Term- 1)

CLASS: III
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Pre –activity – Lets Begin

SUBJECT: Maths
L- Fairshare

7 Fair Share

Let's Begin

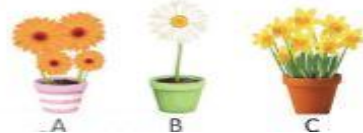


Ruby, look we got a message from our teacher that tomorrow she will take us to a field trip.

That's great, Annie! I wish she would take us to this butterfly garden. The colourful butterflies look amazing there.



- 1 Observe the flower pots and answer the following.
 - a The flowers of flower pot C can be shared equally in 4 groups with 2 flowers in each.
 - b The flowers of flower pot B can be represented only in 1 group.



- 2 There are 24 butterflies in the garden in groups. How many butterflies are there in each group?
 - a There are 12 groups.
 - b Each group has 2 butterflies.



Tuning In



There are 12 butterflies sitting equally on 2 flowering plants. How can we find out the number of butterflies on 1 flowering plant?

We can share them equally among the flowering plants. It's also called division.



How do we share things equally in groups? Think of a real-life situation where you would need to share things equally.

Answer: $12 \div 2 = 6$

Concrete Stage

Use 'Place Value Counters' to represent the division statements, and fill in the empty boxes.

a $8 \div 4 = 2$

b $16 \div 2 = 8$

c $21 \div 3 = 7$

Pictorial Stage

Look at the representation and fill in the boxes to complete the division statements.

a How many groups of ladybirds are there?

4

b How many ladybirds are there in each group?

5

c How many ladybirds are there in total?

20

d Write the division statement that is represented by this model.

$20 \div 4 = 5$



Abstract Stage

1 Tapan has 16 building blocks. He puts them in groups of 2. Draw a picture to show the number of groups.

Answer: $16 \div 2 = 8$

2 Sarah has 15 pebbles. She wants to put each group of 5 pebbles in a bag. How many bags does she need for her pebbles?

Answer: $15 \div 5 = 3$

Concrete Stage

Use 'Dot Sheet' and 'Number Line' to solve the following division statements.

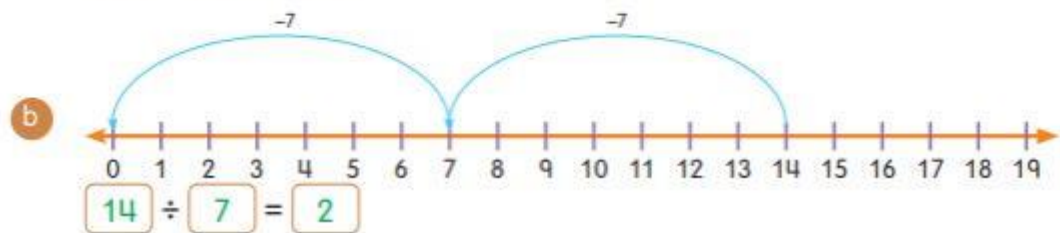
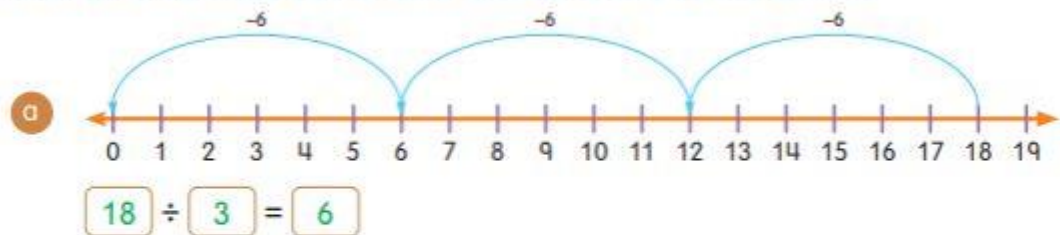
a $24 \div 6 = 4$

b $9 \div 3 = 3$

c $15 \div 5 = 3$

Pictorial Stage

Look at the number lines to complete the division statements.



Abstract Stage

Complete the given division sentences.

a $45 \div 5 = 9$

b $12 \div 4 = 3$

c $18 \div 9 = 2$

d $20 \div 2 = 10$

Worksheet

7.1

Think Aloud

How many multiplication and division sentences we can make using 20, 5, and 4? If only 20 is given how many multiplication and division sentences can be formed? Is the number varying? Why?

Answer: Answer may vary.

Concrete Stage

Use 'Place Value Counters' or 'Dot Sheet' to complete the multiplication sentences and match them to the right division sentences.

a $6 \times \square = 18$

b $5 \times \square = 40$

c $4 \times \square = 32$

i. $32 \div 4 = 8$

ii. $18 \div 3 = 6$

iii. $40 \div 8 = 5$

Pictorial Stage

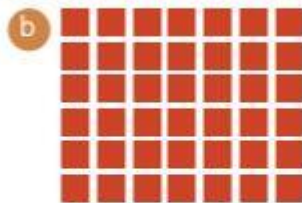
Look at the models to complete the statements.



$$5 \text{ rows of } 6 = 30$$

$$5 \times 6 = 30$$

$$30 \div 5 = 6$$



$$6 \text{ rows of } 7 = 42$$

$$6 \times 7 = 42$$

$$42 \div 7 = 6$$



$$3 \text{ rows of } 9 = 27$$

$$3 \times 9 = 27$$

$$27 \div 3 = 9$$

Abstract Stage

- 1 Pat bought one box of 30 chew sticks to share equally between his 2 pet dogs. Use model to find the share of each dog.

Answer: $30 \div 2 = 15$

- 2 Pooja, Leena, Sam, and Zaheer altogether brought 28 flowers to make 4 bouquets? Find the number of flowers in each bouquet?

Answer: $28 \div 4 = 7$

Linking Chain

EVS

A farm is filled with domestic animals.

Answer the following questions.

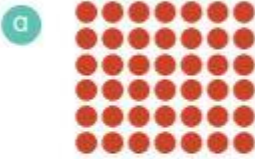
- a The farm has three pens for 27 goats. Each pen has equal number of goats. How many goats are there in each pen? $27 \div 3 = 9$
- b The shed has 28 cows and they are tied in 4 rows? How many cows are there in each row?
Answer: $28 \div 4 = 7$
- c Draw a number line and calculate the number of horses in each group in the farm. There are 36 horses and they are in groups of 6.
Answer: $36 \div 6 = 6$
- d Draw model and calculate the size of each group, 49 buffaloes are there in 7 groups. Use multiplication statement to verify your answer.
Answer: $49 \div 7 = 7$

Worksheet

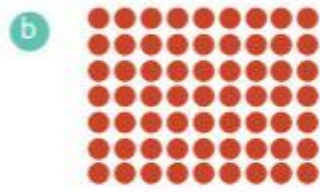
7.2

Blooming Questions

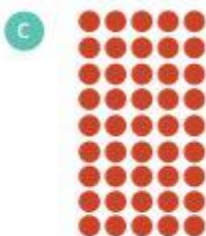
1 Look at the given images and write 2 multiplication and 2 division facts for each set.



i. $6 \times 7 = 42$
 $7 \times 6 = 42$
 ii. $42 \div 6 = 7$
 $42 \div 7 = 6$



i. $9 \times 7 = 63$
 $7 \times 9 = 63$
 ii. $63 \div 7 = 9$
 $63 \div 9 = 7$



i. $9 \times 5 = 45$
 $5 \times 9 = 45$
 ii. $45 \div 9 = 5$
 $45 \div 5 = 9$

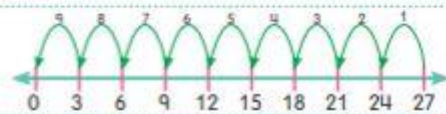


i. $4 \times 11 = 44$
 $11 \times 4 = 44$
 ii. $44 \div 11 = 4$
 $44 \div 4 = 11$

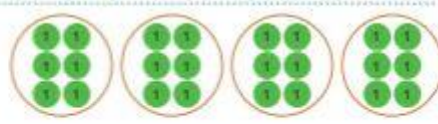
2 There are 35 butterflies in 5 equal rows. How many butterflies are there in each row? Complete each statement to represent the problem.

$5 \times 7 = 35$ $35 \div 5 = 7$

3 Use a number line to show $27 \div 3 = 9$.



4 Varun modeled a division statement with some counters. Draw a number line that matches the model?



Answer: $24 \div 4 = 6$

5 Look at the representations and fill in the boxes to complete the division statement.

a How many groups of wasps are there? 7

b How many wasps are there in each group? 2

c How many wasps are there in total? 14

d Write the division statement that is represented in this model. $14 \div 7 = 2$



6 Shaifali has 24 insects' picture to display on some posters. Select a way to display the picture in equal groups on the posters. Tick all that apply.

a 6 photos on each of 4 posters



b 7 photos on each of 3 posters



c 4 photos on each of 6 posters



d 5 photos on each of 5 posters



e 3 photos on each of 8 posters



f 7 photos on each of 4 posters



7 Deepak divides 12 crayons and 16 glitter pens equally among 4 students. How many glitter pens and crayons does each student get?

Answer: $12 \div 4 = 3$ Crayons; $16 \div 4 = 4$ glitter pens

8 Prakash fed his dog 15 times in 5 days. He fed it the same number of times each day. How many times did Prakash feed the dog each day?

Answer: $15 \div 5 = 3$ times

9 Ram found 28 butterfly stickers. Can he share the stickers equally among 6 people in his family? Draw model to explain.

Answer: $28 \div 6 = 4$ R4

10 Jenny has 17 cubes. She tries to put them into groups of 5 but something went wrong and could not divide. Find out the reason and conclude your response with an example.

Answer: $17 \div 5 = 3$ R2; 3 groups of 5 and 2 cubes are left over.

Mental Maths

Divide using the short method.

a $4 \overline{)36} = 9$

b $2 \overline{)24} = 12$

c $7 \overline{)56} = 8$

d $7 \overline{)28} = 4$

e $6 \overline{)48} = 8$

f $8 \overline{)64} = 8$

Post-activity

Use a number line to show

1) 24 divided by 2

2) 20 divided by 5

3) 16 divided by 4