



CLASS: III
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SUBJECT: Maths
L- Division

Pre – Activity – Lets Begin

8 Division

Let's Begin

Ruby, look at the picture cards that I have collected on animals lived through an ice age.

Annie, look at my cards too. Let us play a card game with these.

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Answer the following questions.

- a) How many cards does Annie have? How many players can play using Annie's cards so that everyone has 10 cards?
20 cards, 2 players.
- b) How many cards does Ruby have? How many cards will each player get if 6 players are playing with Ruby's cards?
42 cards, 7 cards
- c) Represent the fair share of Ruby's cards using dot sheet.

Answer may vary

Concrete Stage

Use 'Place Value Counters', identify the dividends, divisors, quotients, and fill in the boxes.

a $12 \div 6 =$

b $45 \div 9 =$

c $10 \div 5 =$

Pictorial Stage

Look at the representations, and fill in the boxes to complete the division sums.

a

b

Abstract Stage

Draw counter representations to work out the given problems.

- a If 15 friends want to share 15 stickers equally. How many stickers will each of them get? Draw counters to show the number of groups.

Answer: $15 \div 15 = 1$

- b Ria found 18 face masks in a pack. She wants to share them equally among 3 friends. Represent the situation as division facts.

Answer: $18 \div 3 = 6$

Concrete Stage

Use 'Place Value Counters' to divide the following sums, and verify your answers too.

a $242 \div 2 =$

b $936 \div 3 =$

c $484 \div 4 =$

Pictorial Stage

Look at the counter representations, and complete the division statements.

divisor = 5

dividend = 596

quotient = 119

remainder = 1

Abstract Stage

Find the quotients and the remainders. Remember to verify.

a $672 \div 4$
168 R0

b $335 \div 5$
67 R0

c $526 \div 3$
175 R1

Worksheet

8.1

Concrete Stage

Use 'Place Value Counters' to complete the division statements.

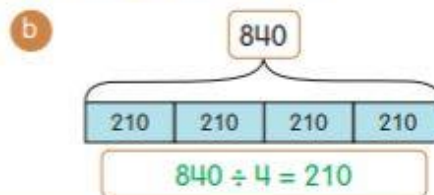
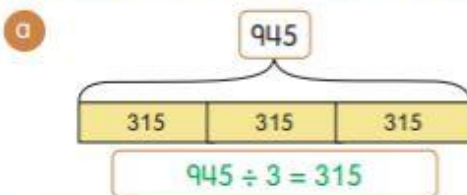
a $984 \div 3$ quotient = 328 remainder = 0

b $645 \div 5$ quotient = 129 remainder = 0

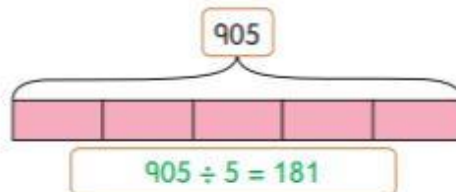
c $842 \div 4$ quotient = 210 remainder = 2

Pictorial Stage

1 Look at the bar models, and write the division statements.



2 Observe the bar model, and fill in the boxes with possible numbers. Also, write the division statement.



Abstract Stage

- 1 Vicky has 126 face masks. He has 3 times as many face masks as Riya has. How many face masks does Riya have? Answer: $126 \div 3 = 42$
- 2 Akhil has 360 counters. He has 2 times as many counters as Kamal has. How many counters does Kamal have? Answer: $360 \div 2 = 180$
- 3 Karan's school went to a cinema to watch the film Ice Age. 114 students were separated into 3 groups equally. How many students were there in each group? Answer: $114 \div 3 = 38$

Worksheet



Think Aloud

Make a list of all the numbers less than 100 that leave a remainder of 1 when you divide by 10. What do you notice?

Now make a list of all the numbers less than 60 that leave a remainder of 1 when you divide by 5. What do you notice?

Answer: Answer may vary.

Linking Chain



EVS



Research on endangered and extinct animals. Find out the reasons for their extinction and way-outs to save the endangered animals. Make five masks of any of these animals and write a message on each mask. Now, collect all the masks made by your classmates at a place, and then work out the following.

- a How many masks are there? What operation did you use to find out?
- b If you have to share these masks during an awareness drive, how many people would you be able to distribute?
- c If you distribute 2 masks to each person, then how many people would get the masks?

Answer: Answer may vary.

Activity Zone

Magic Square

Each row and column of the magic square is a division sentence. Complete the magic square.

12	÷	4	=	3
÷	÷	÷	÷	÷
6	÷	2	=	3
=	=	=	=	=
2	÷	2	=	1



18	÷	6	=	3
÷	÷	÷	÷	÷
9	÷	3	=	3
=	=	=	=	÷
2	÷	2	=	1

Blooming Questions

1 Write the missing numbers. Remember to recall division facts.

a $19 \div 1 = 19$

b $121 \div 121 = 1$

c $0 \div 532 = 0$

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2 Solve the following using long division method.

a $345 \div 6 = 57 \text{ R}3$

b $510 \div 4 = 127 \text{ R}2$

c $649 \div 3 = 216 \text{ R}1$

3 Answer the following questions using long division method. Represent using counters, number lines, or bar models.

a At Shawn's painting store, there are 105 animal paintings, these paintings are sold in packs of 5. How many packs of paintings can he make?

Answer: $105 \div 5 = 21 \text{ R}0$

b Udit sold 217 pens to 7 people. Each person bought the same number of pens. How many pens did Udit sell to each person?

Answer: $217 \div 7 = 31 \text{ R}0$

c Everyday 112 kg of meat is used to feed 8 lions at a zoo. Each lion gets the same amount of meat. How many kilograms of meat does each lion get?

Answer: $112 \div 8 = 14$

d There are 260 people waiting in a queue for a 3D show. At a time, 9 people can watch the show. Write a statement that could be used to find the number of shows needed to make sure all the people would watch the show.

Answer: $260 \div 9 = 28 \text{ R}8$

Mental Maths

Fill in the boxes.

a $12 \div 2$ Q = 6 R = 0

c $65 \div 8$ Q = 8 R = 1

e $38 \div \underline{7}$ Q = 5 R = 3

b $32 \div 3$ Q = 10 R = 2

d $\underline{27} \div 4$ Q = 6 R = 3

f $71 \div 2$ Q = 35 R = 1

Post - Activity

Find the quotients and remainders of the following

- 1) 122 divided by 2
- 2) 55 divided by 5
- 3) 564 divided by 2
- 4) 256 divided by 3

Subject teacher's sign

Co-ordinator's sign

HOD's sign

Principal's sign