Star Public School

Dear Parents'

Today's assignment

Maths - Chapter 5

English - Chapter 7 question answer

Janmashtami celebration

Home assignment

Maths - Do practice of division

English - Learn questions and answers of chapter 7

Edited 12:53 PM

24/8/21

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Chapter - 7

English

Q 1. In which language did Tenali Raman write poems ?

Ans. Tenali Raman write poems in Telugu language.

Q2. From which place Tenali comes ?

Ans. Tenali comes from Raman.

Q3 What did Raman cover his

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face with?

Ans Raman coker his face with a mud pot.

Q4. Why was the king angry with Raman?

Ans The king was angry with Raman because ~~the~~ he painted over a hanging painting on the palace wall.

Nitika
24/8/24

She finds that no flower pot is left with her now.

$5 - 5 = 0$

Kinjal has arranged all 10 flower pots equally in 5 rows in the garden.

She has divided 10 flower pots in 5 groups. Each group has 2 flower pots.

The process of dividing something into small equal groups is called division.

The symbol '÷' is used for division.

$10 \div 5 = 2$ is read as 10 divided by 5 is equal to 2.

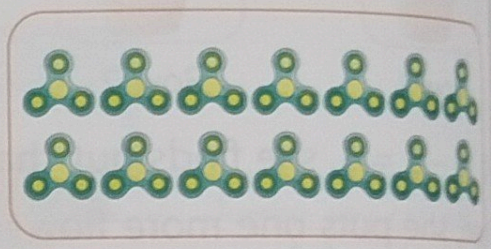
10	÷	5	=	2
↓		↓		↓
Total number of objects		Number of groups		Number of objects to be put in each group

A **Divide the objects equally among given number of people by forming groups.**

(a) 18 cans among 6 girls

$18 \div 6 =$ 3

(b) 14 spinners among 7 children

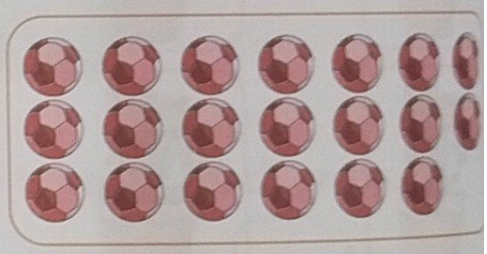


$14 \div 7 =$ 2

(c) 16 candles among 8 people

$16 \div 8 =$ 3

(d) 20 balls among 5 boys



$20 \div 5 =$ 4

Repeated Subtraction

Repeated subtraction is a method of performing division. While performing division, we are actually doing repeated subtraction and the answer to that division problem is how many times we subtract the same number.

Look at the following example.

Shivani has 16 leaves. She wants to paste these leaves equally on 8 pages.

First she pastes 1 leaf an each page. $16 - 8 = 8$

Then she pastes 1 more leaf an each page. $8 - 8 = 0$

Thus, she pastes 16 leaves on 8 pages. $16 - 8 - 8 = 0$

We can also say that she subtracts 8 two times from 16 to divide the leaves.

Therefore, $16 \div 8 = 2$.

Properties of Division

- On dividing any number by 1, the answer is the number itself.

  $14 \div 1 = 14$
- No number can be divided by 0.

  $9 \div 0$ is not possible.
- On dividing any number by itself, the answer is 1.

  $11 \div 11 = 1$
- On dividing 0 by any number, the answer is 0.

  $0 \div 8 = 0$
- We can divide any number ending in 0 (except 0) by 10.

  $70 \div 10 = 7$

Try It Out

Fill in the boxes.

(a) $18 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2$

$= 18 \div 2 = 9$

(b) $28 - 4 - 4 - 4 - 4 - 4 - 4 - 4$

$= 28 \div 4 = 7$

B Divide the following using repeated subtraction.

(a) $32 \div 4 = 8$ (b) $64 \div 8 = 8$ (c) $81 \div 9 = 9$

C Fill in the blank boxes.

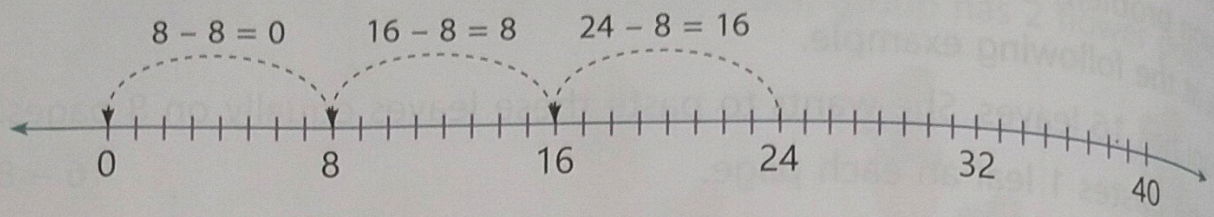
(a) $0 \div 12 = 0$ (b) $16 \div 1 = 16$

(c) $10 \div 10 = 1$ (d) $120 \div 10 = 12$

Repeated Subtraction on Number Line

Distribute 24 apples equally among 8 family members using number line.

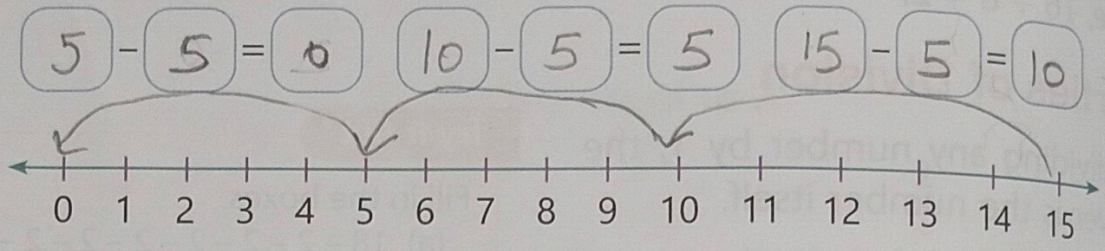
Start from 24. Move back 8 steps 3 times to reach 0.



Therefore, 24 ÷ 8 = 3.

D **Divide by repeated subtraction on a number line.**

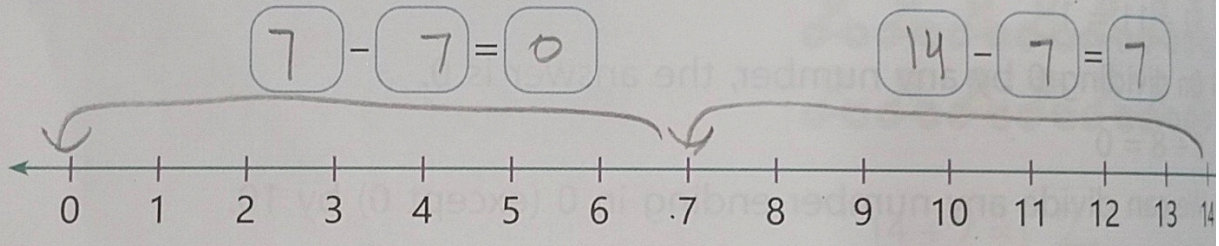
(a) Distribute 15 pencils equally among 5 friends.



Start from 15. Move back 5 steps 3 times to reach 0.

Therefore, 15 ÷ 5 = 3.

(b) Distribute 14 carrots equally among 7 rabbits.



Start from 14. Move back 7 steps 2 times to reach 0.

Therefore, 14 ÷ 7 = 2.

Relation between Multiplication and Division

We know that multiplication is repeated addition and division is repeated subtraction.

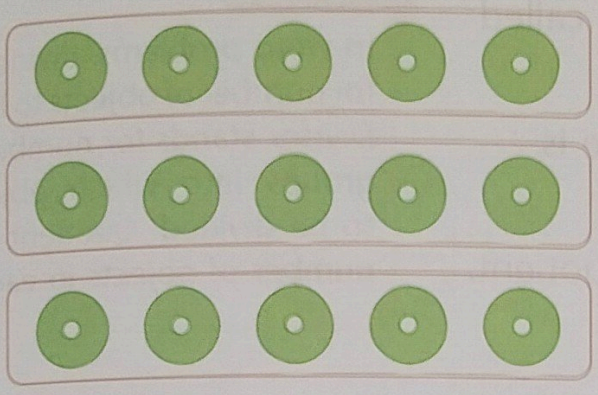
So, we can say that multiplication and division are opposite operations of each other.

There are two multiplication facts for each division fact and vice versa.

For example, the multiplication facts for $8 \div 4 = 2$ are $4 \times 2 = 8$ and $2 \times 4 = 8$.
The division facts for $4 \times 2 = 8$ are $8 \div 4 = 2$ and $8 \div 2 = 4$.

E **Write the multiplication facts and division facts for the following arrangements of shapes. One has been done for you.**

(a)



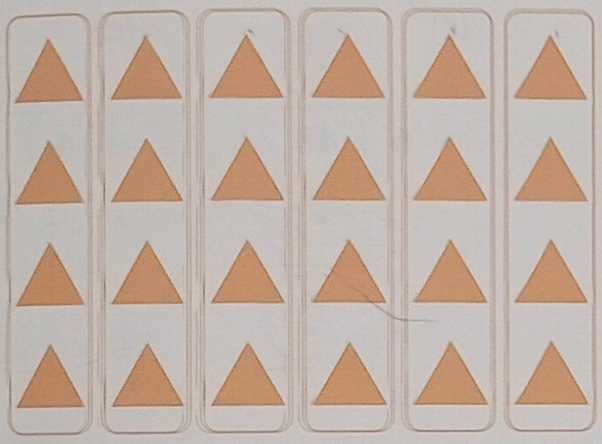
Multiplication facts : $3 \times 5 = 15$

$5 \times 3 = 15$

Division facts : $15 \div 3 = 5$

$15 \div 5 = 3$

(b)



Multiplication facts : $4 \times 6 = 24$

$6 \times 4 = 24$

Division facts : $24 \div 6 = 4$

$24 \div 4 = 6$

(c)

Multiplication facts : $7 \times 3 = 21$

$3 \times 7 = 21$

Division facts : $21 \div 7 = 3$

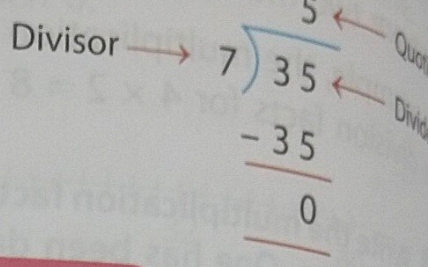
$21 \div 3 = 7$

Long Division Method

Let's divide 35 by 7 using long division method.

Write the numbers as shown.

Then use the multiplication table of 7 to find the quotient. As $7 \times 5 = 35$, so 5 is the quotient. Write 35 below the dividend and subtract.



- The number which we divide is called the dividend.
- The number by which we divide is called the divisor.
- The answer we get is called the quotient.

Therefore, $35 \div 7 = 5$.

Know More

In word problems, dividend stand for number of objects to be divided Divisor stands for number of equa groups into which objects nee to be divided. Quotient stands fo number of objects in each group.

F **Divide using long division and write the quotient.**

(a)

$$\begin{array}{r} 2 \\ 7 \overline{)\,14} \\ -\,14 \\ \hline 0 \end{array}$$

(b)

$$\begin{array}{r} 9 \\ 5 \overline{)\,45} \\ -\,45 \\ \hline 0 \end{array}$$

(c)

$$\begin{array}{r} 8 \\ 6 \overline{)\,48} \\ -\,48 \\ \hline 0 \end{array}$$

(d)

$$\begin{array}{r} 6 \\ 4 \overline{)\,24} \\ -\,24 \\ \hline 0 \end{array}$$

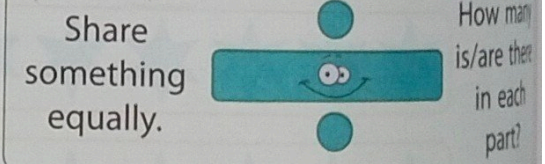
Word Problems

Carefully read the given word problem.

Surbhi has 24 chocolates. She wants to give equal number of chocolates to 6 children. How many chocolates will each child get?

Keep in Mind

To indicate division, following words can be used.



For the Teacher

Always emphasise on the word 'equal' while stating word problems.

Number of chocolates = 24

Number of children = 6

Number of chocolates each child will get = 24 ÷ 6 = 4

Therefore, each child will get 4 chocolates.

$$\begin{array}{r} 4 \\ 6\overline{)\,24} \\ -\,24 \\ \hline 0 \end{array}$$

G **Solve the given word problems.**

(a) Mansi's mother made 36 pancakes. She distributed them equally among 6 members of the family. How many pancakes did each family member get?

36 ÷ 6 = 6

Each member got 6 pancakes.

$$\begin{array}{r} 6 \\ 6\overline{)\,36} \\ -\,36 \\ \hline 0 \end{array}$$

(b) A squirrel has 12 peanuts. She wants to distribute these peanuts equally among her 3 babies. How many peanuts does each baby squirrel get?

12 ÷ 3 = 4

Each baby squirrel gets 4 peanuts.

$$\begin{array}{r} 4 \\ 3\overline{)\,12} \\ -\,12 \\ \hline 0 \end{array}$$

Think, Solve and Learn

Ritu got 12 soft drinks for 5 of her friends. By mistake 2 soft drinks dropped. She distributed the remaining soft drinks equally among her friends.

How many soft drinks did each of her friend get? ____

Skills Covered: Critical and logical thinking, Problem-solving, Brainstorming

Quick Check

1. **Divide by repeated subtraction. Correct the numbers in the circles wherever needed.**

(a) $16 \div 2 =$ 8 $16 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2$

(b) $48 \div 8 =$ 6 $48 - 8 - 8 - 8 - 8 - 8 - 8$

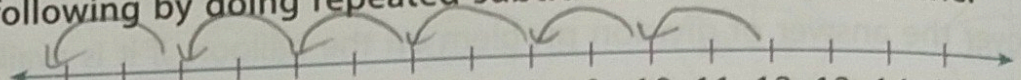
2. **Write the division facts for the following multiplication facts.**

(a) $7 \times 8 = 56$ $56 \div 8 = 7$ $56 \div 7 = 8$

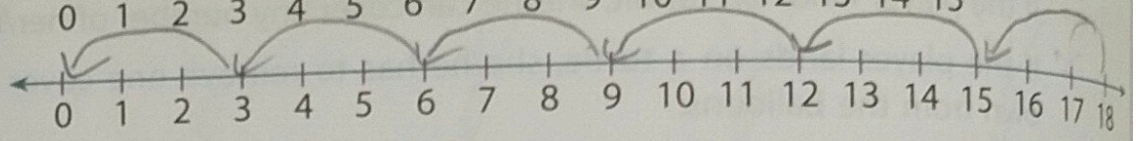
(b) $9 \times 3 = 27$ $27 \div 9 = 3$ $27 \div 3 = 9$

3. **Divide the following by doing repeated subtraction on a number line.**

(a) $12 \div 2$



(b) $18 \div 3$



4. **Solve the following word problems.**

(a) Dhruv has 21 balloons. He wants to divide them equally with three of his friends. How many balloons does each of them get?

Total number of balloons = 21

Number of children = 3

21 ÷ 3 = 7

Each of them will have 7 balloons.

$$3\overline{)21}\ 7,\quad 21,\quad 0$$

(b) Mohit had 45 strawberries. He divided them into 5 equal packs to share with his friends. How many strawberries did each of his friend get?

Total number of strawberries = 45

Number of equal packs = 5

45 ÷ 5 = 9

Each friend got 9 strawberries.

$$5\overline{)45}\ 9,\quad 45,\quad 0$$