

OBJECTIVES

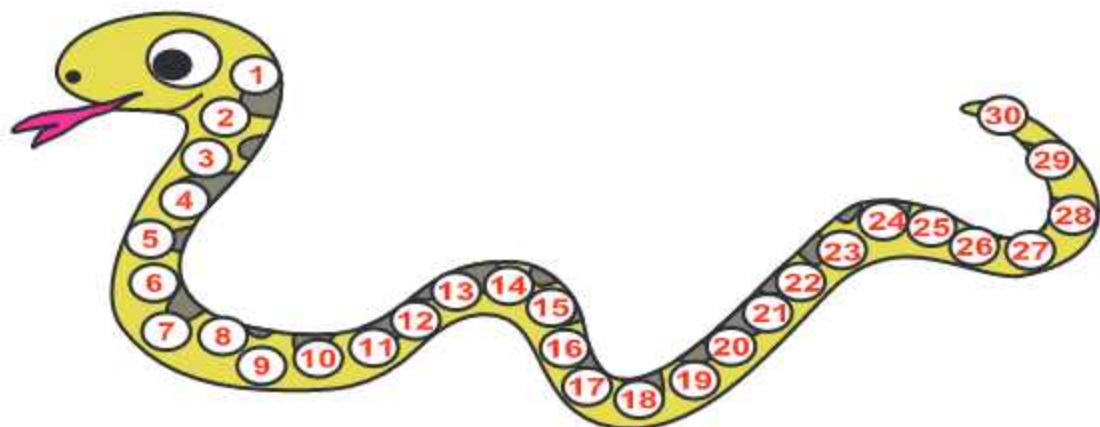
1. To understand how to make groups.
2. To develop Multiplication as Repeated addition of a group.
3. To understand the concept of equal sharing.
4. Activities to make equal groups.

Do You Remember

Activity

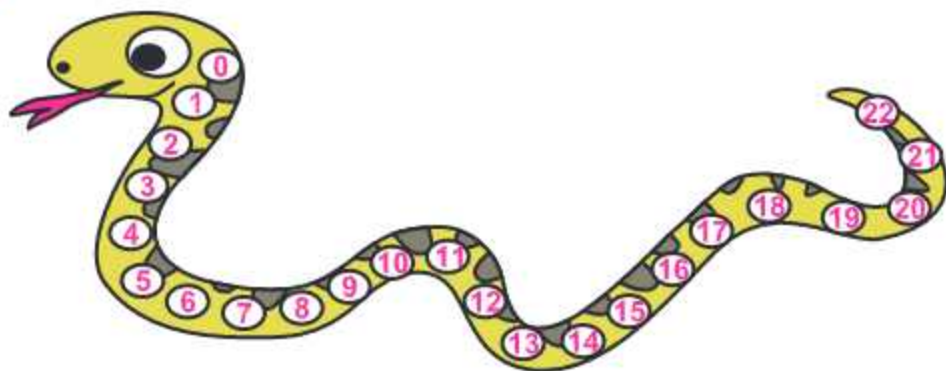


Let us count by jumping two's.





Let us jump in steps of 3 and 4.



To say Counting in different ways



All children take a jump of 2.
Where have they reached?
Let us speak together.

2, 4, 6, 8, 10, 12, 14, 16, 18, 20



Where have they
reached by taking jumps
of 3 steps? Let us
speak together.



3, 6, 9, 12, 15, 18, 21, 24, 27, 30

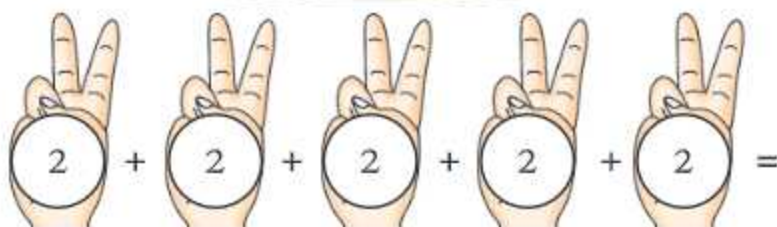


Let's Learn

Grouping by 2-2



Students : Raise two fingers of your hand.



5 times two fingers

$$\begin{aligned}2 + 2 + 2 + 2 + 2 &= 5 \text{ times } 2 \\ &= 5 \times 2 \\ &= \boxed{10}\end{aligned}$$

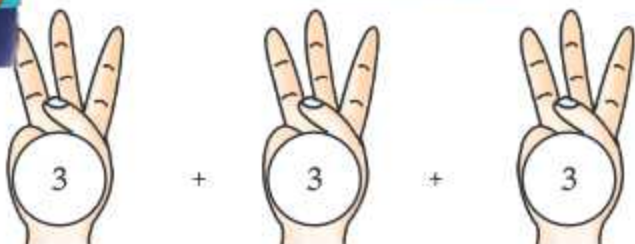


What is this addition of the same number time and again called?



Put sign '×' in place of 'times'
× is called multiplication.

Now, Raise three fingers



$$\begin{aligned}3 + 3 + 3 &= 3 \text{ times } 3 \\ &= 3 \times 3 \\ &= 9\end{aligned}$$



3 fingers 3 times

Let's Do



Fill in the blanks

Count and Write

 <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #FFB6C1;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #FFB6C1;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #FFB6C1;"></div> </div>	= 3 times 4	= 3 × 4
 <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #90EE90;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #90EE90;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #90EE90;"></div> </div>		
 <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #ADD8E6;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #ADD8E6;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #ADD8E6;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #ADD8E6;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #ADD8E6;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; background-color: #ADD8E6;"></div> </div>		

Add repeatedly and change into Multiplication

$$4 + 4 + 4 + 4 + 4 + 4 + 4$$

$$7 \times 4$$

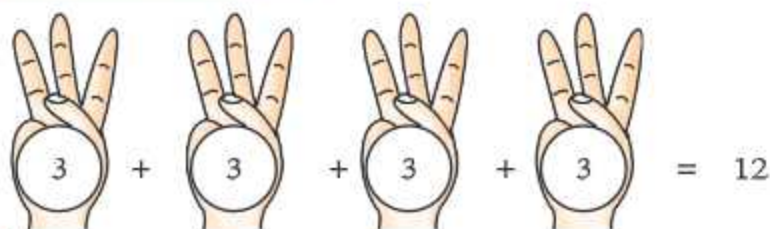
$$2 + 2 + 2 + 2 + 2$$

$$3 + 3 + 3 + 3 + 3 + 3$$

$$2 + 2 + 2 + 2 + 2 + 2 + 2$$



Let's Learn

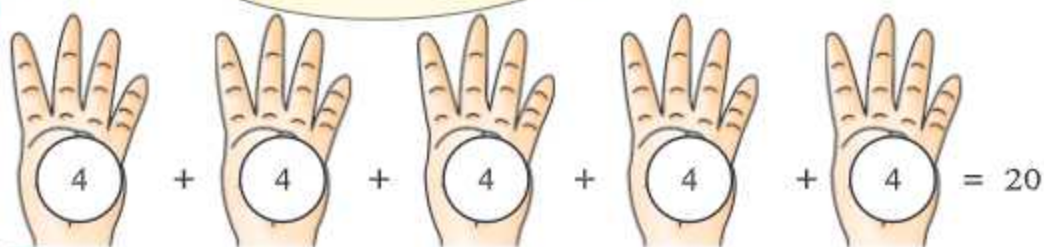


Three fingers of
4 children means
4 times 3

$$4 \text{ times } 3 = 4 \times 3 = 12$$

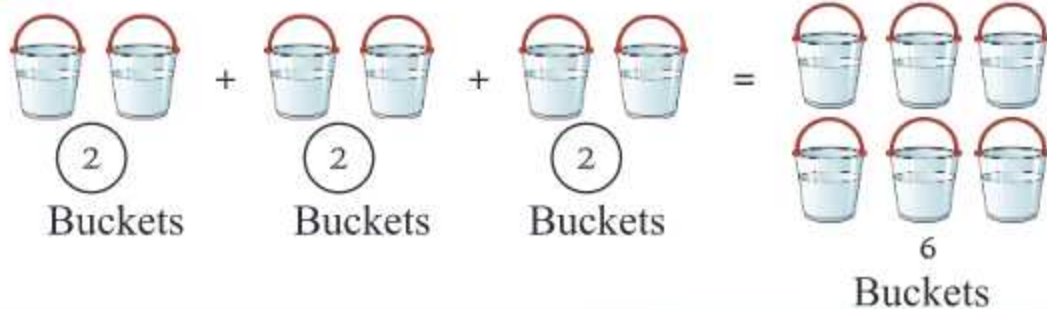


Now the teacher says
to five children, to raise
4 fingers of their hand.



5 times 4

$$5 \text{ times } 4 = 5 \times 4 = 20$$



$$3 \text{ times } 2 = 3 \times 2 = 6$$

Write according to group of 2



1 times 2 =

1×2



2 times 2 =

2×2



3 times 2 =

3×2



4 times 2 =



5 times 2 =



6 times 2 =



7 times 2 =



8 times 2 =



9 times 2 =



10 times 2 =

Write according to group of 3.



1 times 3 = 1×3



2 times 3 = 2×3



3 times 3 = 3×3



4 times 3 =



5 times 3 =



6 times 3 =



7 times 3 =



8 times 3 =



9 times 3 =

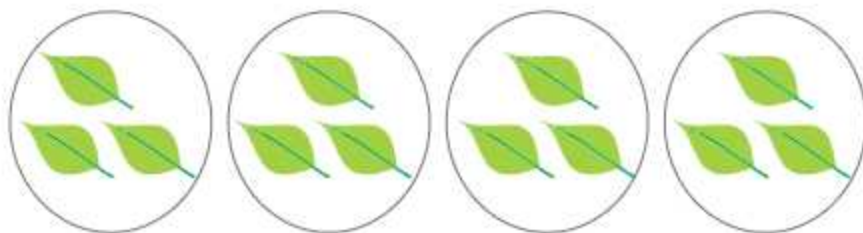


10 times 3 =

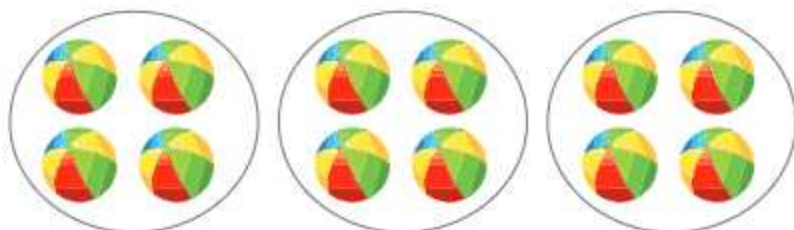
Let's Do



1. Add repeatedly and change into the multiplication fact.



$$\square + \square + \square + \square = \square \times \square$$



$$\square + \square + \square = \square \times \square$$

2. Add and change into multiplication fact.

$$3 + 3 + 3 + 3 + 3 = \square \times \square$$

$$5 + 5 + 5 + 5 = \square \times \square$$

$$6 + 6 = \square \times \square$$

$$2 + 2 + 2 + 2 + 2 + 2 = \square \times \square$$

$$1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = \square \times \square$$

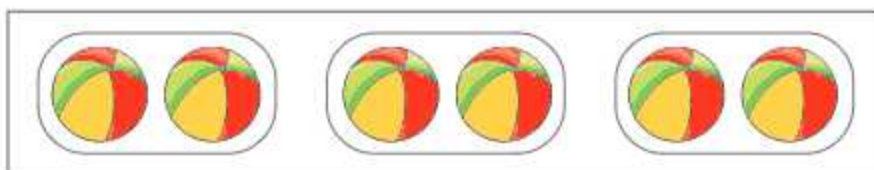
Let's Do



Let us make groups of 2

How many
groups are
made?

(i)



3

(ii)



(iii)



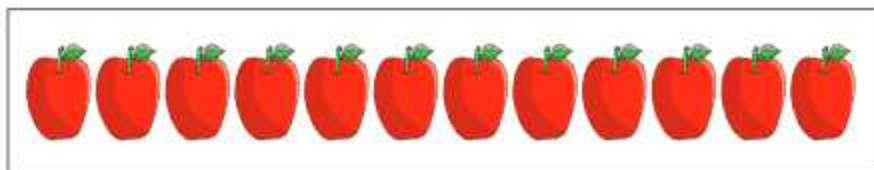
(iv)



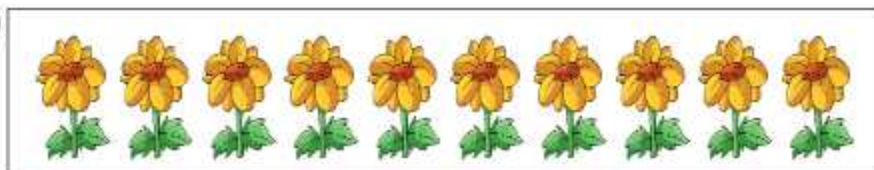
(v)



(vi)



(vii)

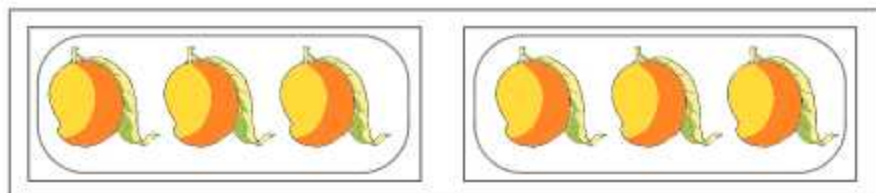




Let us make groups of 3

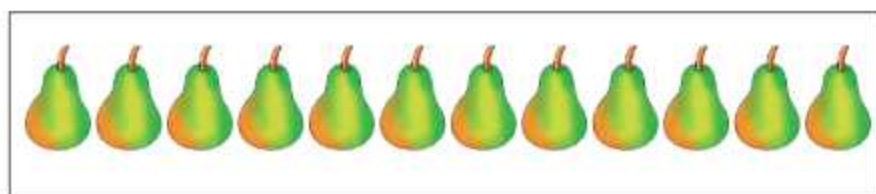
How many groups are made?

(i)



2

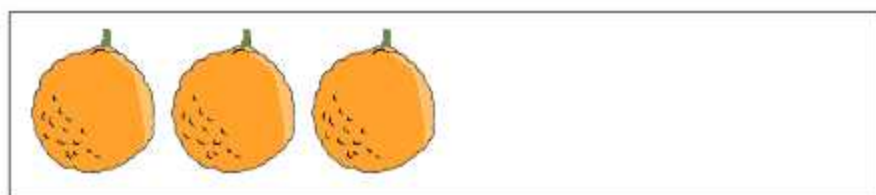
(ii)



(iii)



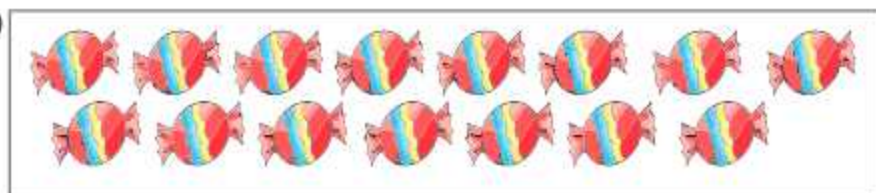
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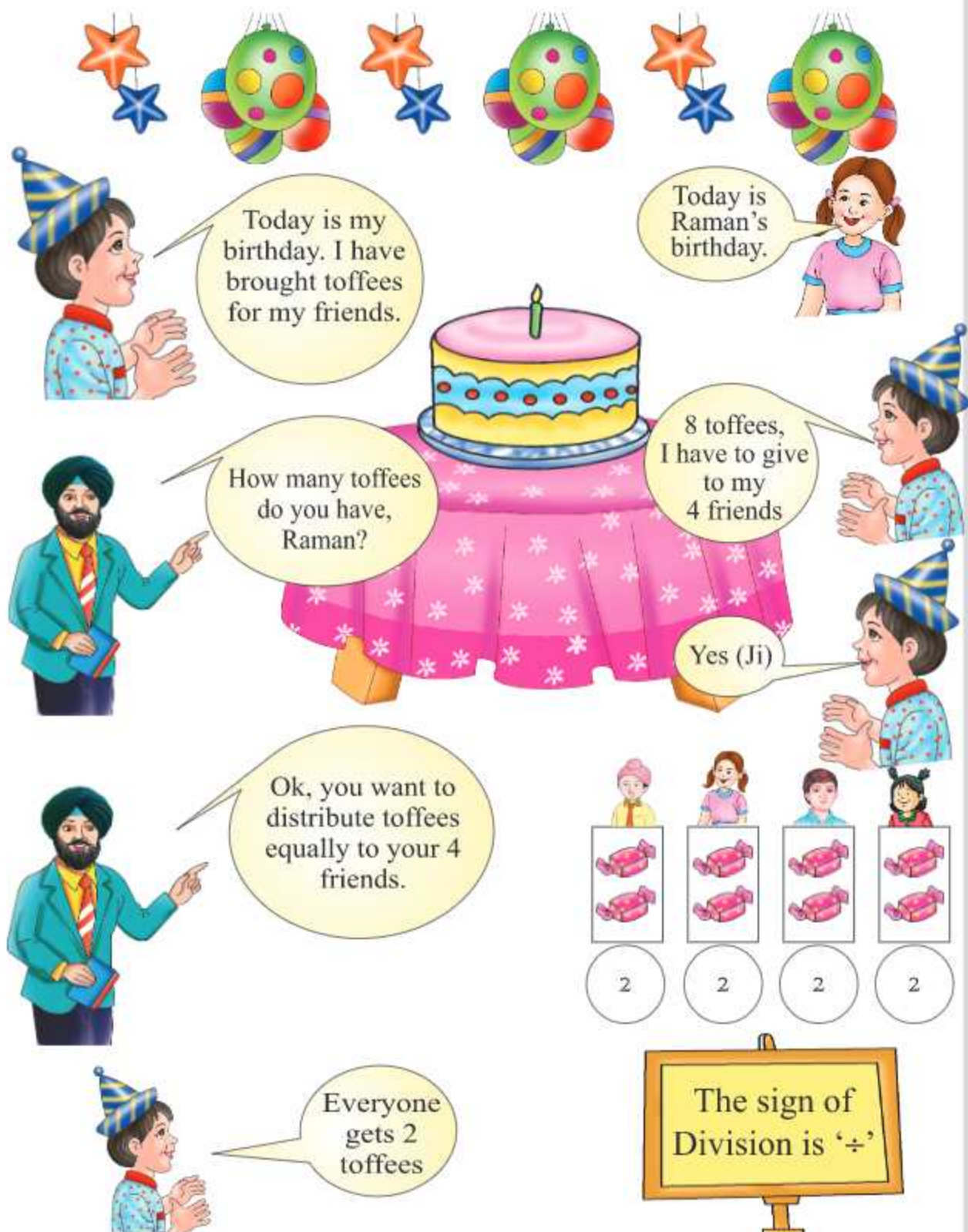
(v)



(vi)



Birthday of Raman

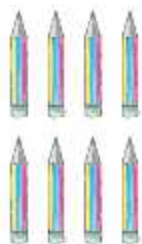




Let's Learn

Divide Equally

Divide 8 pencils equally among 4 children.



$$8 \div 4 = 2$$

Divide 9 ball equally among 3 children.



$$9 \div 3 = 3$$

Let's Do

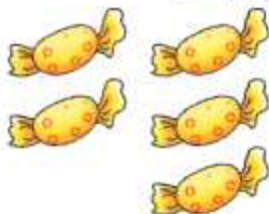


Divide 10 beads equally into 2 strings.



$$10 \div 2 = \square$$

Divide 6 toffees equally among 3 children.



$$6 \div 3 = \square$$

Note for Teachers

Method to divide equally is called 'Division'. The sign of division is ' \div '

Worksheet

1. Add and write in terms of multiplication fact.

$$2 + 2 + 2 + 2 + 2 + 2 = \dots\dots\dots\text{times} \dots\dots\dots$$

$$3 + 3 + 3 + 3 = \dots\dots\dots\text{times} \dots\dots\dots$$

$$4 + 4 + 4 + 4 + 4 = \dots\dots\dots\text{times} \dots\dots\dots$$

2. Write in terms of multiplication.

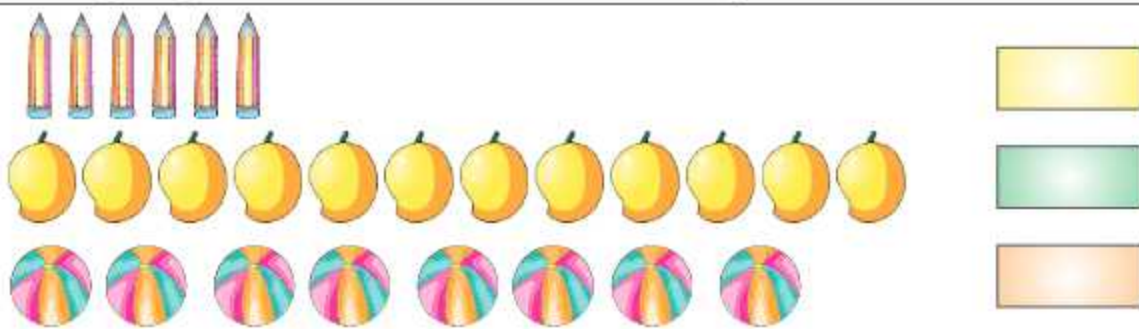
$$5 \text{ times } 2 = \boxed{} \times \boxed{}$$

$$4 \text{ times } 3 = \boxed{} \times \boxed{}$$

$$3 \text{ times } 4 = \boxed{} \times \boxed{}$$

$$6 \text{ times } 2 = \boxed{} \times \boxed{}$$

3. Make groups of 2-2 and tell the number of pairs.



4. Divide given balloons equally between two students.





Points to Remember

- * The sign of multiplication ' \times '
- * The sign of division ' \div '

