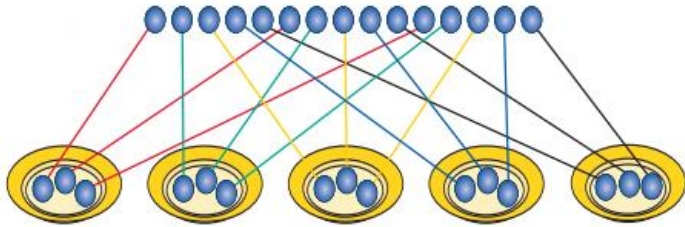


Key concepts and questions

What is division?

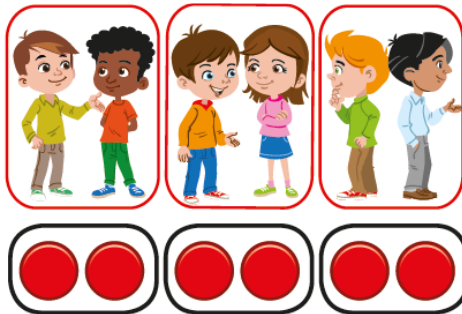
- Division is sharing into equal parts
 $15 \div 3$ means 15 shared equally into 3



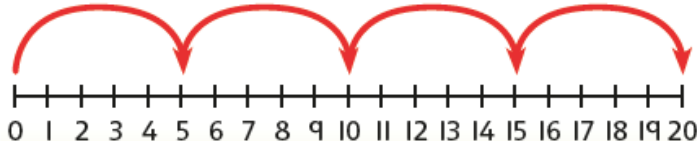
- Division cannot be done in any order, always begin with the larger number e.g. $15 \div 3$ not $3 \div 15$
- Like subtraction, when we divide the answer is smaller

Representations

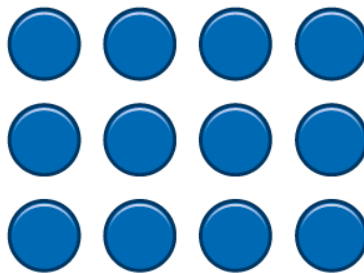
Pictures and counters for grouping



Number lines can be used for grouping



Counters for arrays and sharing



Key Vocabulary

Divide	Division is splitting into equal parts or groups. It is the result of 'fair sharing'
Division calculation	$12 \div 4$
Share	Splitting into equal parts or groups
Group	Put objects into equal groups
Equal groups	Each group has the number of objects.
Halve	To share into two equal parts

Making connections

Dividing by 2 is the same as halving. Dividing by 4 is the same as finding $\frac{1}{4}$ of a number.

8	
4	4

8 divided by 2 is 4
 $\frac{1}{2}$ of 8 is 4

8			
2	2	2	2

8 divided by 4 is 2
 $\frac{1}{4}$ of 8 is 2

Multiplication and division are linked.
If you know $12 \div 3 = 4$, we also know
 $3 \times 4 = 12$ and $4 \times 3 = 12$

12		
4	4	4