



D I V I S I O N


Stage 1 -
Pictures / marks
 12 children get into teams of 4 to play a game. How many teams are there?




Stage 2 -
Sharing - 6 sweets are shared between 2 people. How many do they have each? ($6 \div 2$)




Grouping - There are 6 sweets. How many people can have 2 each? (How many 2's make 6?)



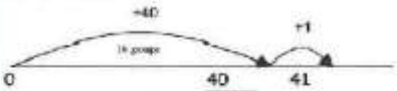
Stage 3 -
Division with remainders
 $16 \div 3 = 5 \text{ r}1$
Sharing - 16 shared between 3, how many left over?
Grouping - How many 3's make 16, how many left over?
 e.g.



Stage 4 -
 $30 \div 6$ can be modelled as:
Grouping - counting on in 6's until you reach the number you are dividing. Eg.



$41 \div 4 = 10 \text{ r}1$



Stage 5 -
 Using chunking for division.

8	146	
	-80	(8 x 10)
	66	
	-40	(8 x 5)
	26	
	-24	(6 x 3)
	2	

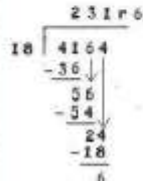
Total all the 'chunks' of 8 to find the answer.

Answer: 18 r 2

This method can also be used when dividing larger numbers and decimals, and when there is a remainder.

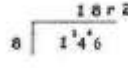
Stage 6 -

Long division



Answer: 231 r 6

Short division



Answer: 18 r 2