

# DIVIDING AN AMOUNT INTO RATIOS

## Ratio and Proportion

### Key Concepts

An amount can be divided into a given ratio.

Red : Green  
1 : 3

For every 1 red there are 3 greens.

A ratio can be converted into fractions.

Red : Green  
1 : 3

$\frac{1}{4}$  are red and  $\frac{3}{4}$  are green.

A woman has £400. She is going to split her money between her two children in the ratio 2:3. How much does each child receive?

No. of boxes	2	:	3	
(2+3)	80		80	
$400 \div 5$	80		80	
$= 80$	£160		80	
			£240	

Child 1 receives £160 and Child 2 receives £240.

There are boys and girls at a party in the ratio 5:2.

There are 15 more boys than girls. Calculate the number of people at the party.

No. of extra Boxes (5-2)	5	:	2	
$15 \div 3$	5		5	
$= 5$	5		5	
	5		5	
	5		5	
	5		5	

$7 \times 5 = 35$  people

**Examples**



38, 106

### Key Words

Ratio  
Divide  
Parts

- 1) Ann made some cakes. She made vanilla cakes and chocolate cakes in the ratio 2:9. What fraction of the cakes were chocolate?
- 2) Share £25 in the ratio 7:3
- 3) Katy and Becky share some money in the ratio 2:1. Katy receives £10 more than Becky. How much do they each receive?
- 4) Claire and John share some money in the ratio 3:2. Claire receives £18. How much does John receive?