

For every blue flower there are 2 pink flowers
football : rugby
1 : 4

For every football there are 4 rugby balls


The ratio of footballs to rugby balls is $1: 4$ The ratio of rugby balls to footballs is $4: 1$
$\frac{1}{5}$ are footballs $\frac{4}{5}$ are rugby balls


The ratio of apples to bananas is $1: 2$ The ratio of bananas to oranges is $2: 3$
apples: bananas : oranges
1 : 2 : 3
The ratio of apples to bananas to oranges is $1: 2: 3$

The ratio of blue flowers to pink flowers is $1: 2$
$\frac{1}{3}$ of the flowers are blue $\frac{2}{3}$ are pink

| ratio | How much there is of <br> one thing compared to <br> another thing |
| :--- | :--- |
| proportion | Proportion says that <br> two ratios or fractions <br> are equal |
| scale factor | The enlargement of a <br> quantity is determined <br> by its scale factor. <br> A scale factor of 3 <br> means 3 times as large |
| enlarge | To make bigger |
| similar | One shape is an exact <br> enlargement of <br> another |

$\underline{1}$ are apples
6
$\underline{2}$ are bananas
6
$\underline{3}$ are oranges
6

circle : triangle
1 : 3

If there are 4
circles, how many triangles are there?
circle : triangle
$x 4\left(\begin{array}{l}1 \\ 4\end{array}\right.$


If there are 18 triangles, how many circles are there?
circle : triangle
$\left.\begin{array}{lll}1 & : & 3 \\ 6 & : & 18\end{array}\right) x 6$


To make 12 biscuits,
double the amounts
for 6 biscuits


## To make 3 biscuits,

halve the amounts for 6 biscuits

## Divide the

amounts by 6
for 1 biscuit

