| ratio |
| :---: |
| proportion |
| porabulary |
| whole |
| scale factor |
| enlargement |
| peridthere are..." |
| similar shapes |

Year Six
Ratio
Ratio symbol

For every 1 circle, there are 2 triangles.


For every 2 bananas, there are 3 apples.


For every 1 football, there are 3 rugby balls.


## Ratio and fractions



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The ratio of footballs to rugby balls: 1:4
The ratio of rugby balls to footballs: 4:1


The ratio of circles to triangles: 2:3
The ratio of triangles to circles: 3:2


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



Shape A has been enlarged by a scale factor of 2 to make Shape B.

Shape B is now two times as big as Shape A.

In a bag of 15 sweets, there is 1 smiley face sweet for every 4 love heart sweets.

Therefore, there will be 3 smiley face sweets and 12 love heart sweets in the bag.


Shape $B$ has been enlarged from Shape A by a scale factor of 3 .

Shape $B$ is now three times as big as Shape A.


3 cm

B

9 cm

