Ratio Knowledge Organis			
Key Vocabulary	Ratio Language		The Ratio Symbol
ratio proportion	For every 1 circle, there are 2 triangles.		0000
"for every there are"	For every 2 bananas, there are 3 apples.		The ratio of footballs to rugby balls: 1:4 The ratio of rugby balls to footballs: 4:1
whole scale factor	For every 1 football, there are 3 rugby balls.		The ratio of circles to triangles: 2:3
enlargement	Ratio and Fractions		The ratio of triangles to circles: 3:2
similar shapes length width		For every 1 rugby ball, there are 2 footballs. Ratio of rugby balls to footballs: 1:2 $\frac{1}{3}$ of the balls are rugby balls.	The ratio of applies to happange, 1.2
perimeter twinkl visit twinkl.com		For every 1 triangle, there are 3 squares. Ratio of triangles to squares: 1:3 $\frac{1}{4}$ of the shapes are triangles.	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

Knowledge Organiser Ratio Ratio and Proportion Problem-Solving Scale Factors To use the To use the ingredients for ingredients for 1 5 people, you person, you divide halve all the Ingredients for all the quantities auantities Fruit Smoothie by 10 (÷ 10). (÷ 2). (serves 10 people) ~

800g of bananas 500g of strawberries 200g of raspberries 700ml of milk 300ml of natural yogurt

To use the ingredients for 20 people, you double all the quantities (× 2).

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.









