



# Crack the Code



## Dividing in a Ratio

<b>A</b>	Find the smallest part when £40 is shared in the ratio 3: 1 <b>£10</b>	<b>B</b>	Find the largest part when £40 is shared in the ratio 5: 3 <b>£25</b>
<b>C</b>	Find the smallest part when £80 is shared in the ratio 7: 3 <b>£24</b>	<b>D</b>	Find the largest part when £63 is shared in the ratio 7: 2 <b>£49</b>
<b>E</b>	Find the largest part when £90 is shared in the ratio 5: 3: 2 <b>£45</b>	<b>F</b>	Find the smallest part when £65 is shared in the ratio 6: 5: 2 <b>£10</b>
<b>G</b>	Amy and Ayesha earn £72 at a bake sale and share their earnings in the ratio 5: 4. How much does Ayesha earn? <b>£32</b>	<b>H</b>	A garden contains 75 flowers, either roses or daffodils. The ratio of roses to daffodils is 3: 2. How many roses are there? <b>45</b>
<b>I</b>	Lucy, Mo and Neil share 250 sweets in the ratio 11: 9: 5. How many sweets do Mo and Neil receive in total? <b>140</b>	<b>J</b>	The angles in a triangle are in the ratio 4: 3: 2. Find the size of the smallest angle. <b>40°</b>
<b>K</b>	Yusuf and Zola earn some money, which they share in the ratio 3: 2. If Zola earned £24, how much did they earn in total? <b>£60</b>	<b>L</b>	Una, Victor and Wasil share some money in the ratio 5: 3: 6. Together Una and Victor receive £128. How much does Wasil receive? <b>£96</b>
<b>M</b>	Mary makes biscuits with a recipe that uses flour, butter and sugar in the ratio 3: 2: 4. She uses 80g more sugar than butter. How much flour is needed to make the biscuits? <b>120g</b>	<b>N</b>	The side lengths of a triangle are in the ratio 4: 5: 7. The difference in length between the shortest and longest side is 7.5 cm. Find the perimeter of the triangle. <b>40 cm</b>

To get the three-digit code, add together all your answers. **736**