**Crack the Code**

**Dividing in a Ratio**

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| **A** | Find the smallest part when $£40$ is shared in the ratio $3:1$ | **B** | Find the largest part when $£40$ is shared in the ratio $5:3$ |
| **C** | Find the smallest part when $£80$ is shared in the ratio $7:3$ | **D** | Find the largest part when $£63$ is shared in the ratio $7:2$ |
| **E** | Find the largest part when $£90$ is shared in the ratio $5:3:2$ | **F** | Find the smallest part when $£65$ is shared in the ratio $6:5:2$ |
| **G** | Amy and Ayesha earn $£72$ at a bake sale and share their earnings in the ratio $5:4$. How much does Ayesha earn? | **H** | A garden contains $75$ flowers, either roses or daffodils. The ratio of roses to daffodils is $3:2$. How many roses are there?  |
| **I** | Lucy, Mo and Neil share $250$ sweets in the ratio $11:9:5$. How many sweets do Mo and Neil receive in total? | **J** | The angles in a triangle are in the ratio $4:3:2$. Find the size of the smallest angle. |
| **K** | 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? | **L** | Una, Victor and Wasil share some money in the ratio $5:3:6$. Together Una and Victor receive $£128$. How much does Wasil receive? |
| **M** | 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? | **N** | 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. |
| To get the three-digit code, add together all your answers. |