## Year 11 Mathematics Learning Journey: Unit 6 - Ratio and Proportion

| Step 12: Mixed ratio problems | Step 11: Ratio and Algebra | Step 10: Combining Ratios |
| :---: | :---: | :---: |
|  |  | The ratio of the number of |
| The ratio of the angles in a triangle is | $\mathrm{x}: \mathrm{y}$ is equal to $5: 3$ | cats to dogs in a pet shop is $2: 5$. The ratio of the number |
| angles in a triangle is 3:4:5. Show that the triangle does not contain a right angle. | Work out $x$ and $y$ if $x-y=240$ | of dogs to rabbits in the shop is $3: 10$. Find the ratios of Cats:Dogs:Rabbits |



Step 8: Ratios of the form 1:n and $\mathrm{n}: 1$

Pounds to Canadian dollars is $£ 1=\$ 1.70$
How many Canadian dollars can you get for $£ 200$ ?


| Step 2: Ratios and <br> fractions | Step 1: Compare <br> using ratios |
| :---: | :---: |
| Four-fifths of a bag of <br> sweets are red. What is <br> the ratio of red sweets <br> to non-red sweets? | Why is 2:1 <br> different from 1:2? |

