**RATIO + Proportions QUESTIONS**

**Answer the questions in the space provided. Show your thinking**

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| **Problem** | **Answer** |
| **#1** – The ratio of grade 7 to 8 students at Queen Elizabeth is 3:4. If there are 180 grade 7 students, how many grade 8 students are there? |  |
| **#2** – A scale on a map is a ratio 1: 5 000 000.  If two cities are 5.5 cm apart on the map, how far are there apart in real life. |  |
| **#3** – Alan says that the ratio of his age to his younger brother’s age is 1 : 5. Alan is not 5. How old do you think they are? |  |
| **#4** – The ratio of boys to girls in Quan’s class is 1 : 2. The ratio of boys to girls in Uyen’s class is 4 : 5. Both classes have 20 students. Which class has more girls? |  |
| **#5** – Samantha earned $60 when she worked for 5 hours. How much will she earn if she works 8 hours? |  |
| **#6** – On one shelf in the library, Mr. Swandel has 3 non-fiction books for every 4 fiction books. Is it possible for the shelf to have 30 books? |  |
| **#7** – On a bicycle, when the pedals turn 3 times the wheel turns 7 times. How many pedals does it take to turn the wheel 35 times? |  |
| **#8** – There are 27 students in Mrs. T’s class. She has forgotten the ratio or boys to girls but remembers it being  3 : \_\_\_\_\_. What could the ratio be? |  |
| **#9** – Ping knows that there are more girls in his class than boys. What could the ratio of girls to boys be and how many students could be in the class? |  |
| **#10** – A hummingbird flaps its wings about 250 times every 5 seconds. How many times will it flap its wings in 1 minute? |  |