



## RATIO PART-WHOLE PROBLEMS 6:1

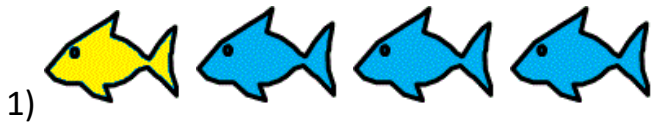
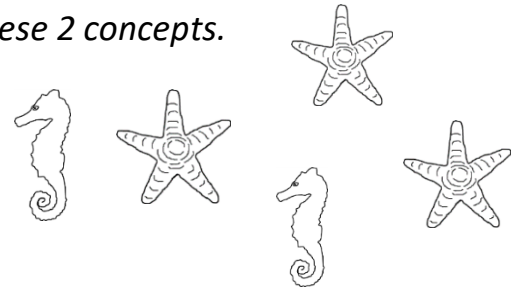
- Ratio is the amount of one thing compared to another thing.
- Proportion is the amount of one thing compared to the whole (or everything), and is usually written as a fraction.

The example below helps to show the difference between these 2 concepts.

The ratio of starfish to seahorses is 3:2.

The ratio of starfish to all sea creatures is 3:5.

The proportion of the sea creatures which are starfish is  $\frac{3}{5}$ .



- What is the ratio of yellow fish to blue fish? \_\_\_\_ : \_\_\_\_
- What is the ratio of yellow fish to all fish? \_\_\_\_ : \_\_\_\_
- What proportion (fraction) of the fish are yellow? \_\_\_\_



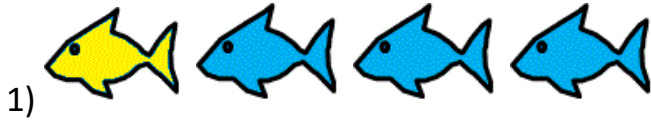
- What is the ratio of frogs to crickets? \_\_\_\_ : \_\_\_\_
- What is the ratio of frogs to all creatures? \_\_\_\_ : \_\_\_\_
- What proportion of the creatures above are frogs? \_\_\_\_



- What is the ratio of dolphins to fish? \_\_\_\_ : \_\_\_\_
- What is the ratio of dolphins to all the sea creatures? \_\_\_\_
- What proportion of the sea creatures above are dolphins? \_\_\_\_



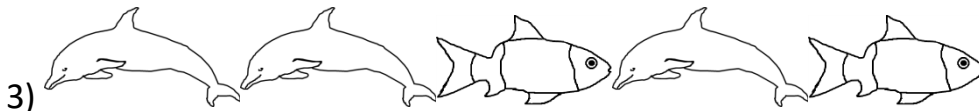
## RATIO PART-WHOLE PROBLEMS 6:1 ANSWERS



- a) What is the ratio of yellow fish to blue fish? **1 : 3**
- b) What is the ratio of yellow fish to all fish? **1 : 4**
- c) What proportion (fraction) of the fish are yellow?  **$\frac{1}{4}$**



- a) What is the ratio of frogs to crickets? **4 : 3**
- b) What is the ratio of frogs to all creatures? **4 : 7**
- c) What proportion of the creatures above are frogs?  **$\frac{4}{7}$**



- a) What is the ratio of dolphins to fish? **3 : 2**
- b) What is the ratio of dolphins to all the sea creatures? **3 : 5**
- c) What proportion of the sea creatures above are dolphins?  **$\frac{3}{5}$**