

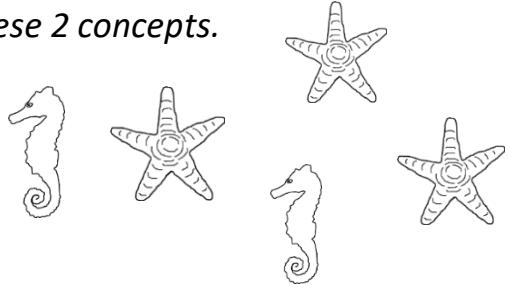


RATIO PART-WHOLE PROBLEMS 6:1

- 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.

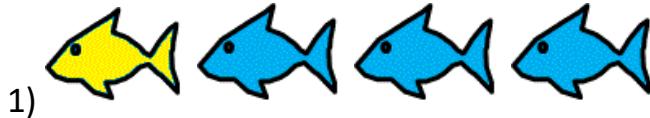
The example below helps to show the difference between these 2 concepts.

The ratio of starfish to seahorses is 3:2.



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

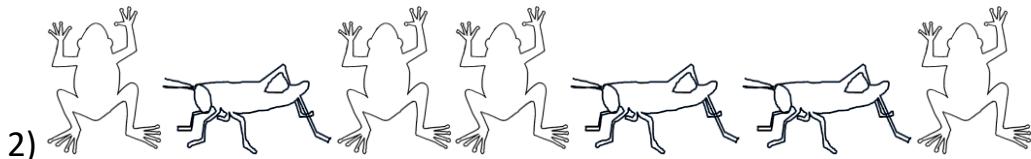
The proportion of the sea creatures which are starfish is $\frac{3}{5}$.



a) What is the ratio of yellow fish to blue fish? _____ : _____

b) What is the ratio of yellow fish to all fish? _____ : _____

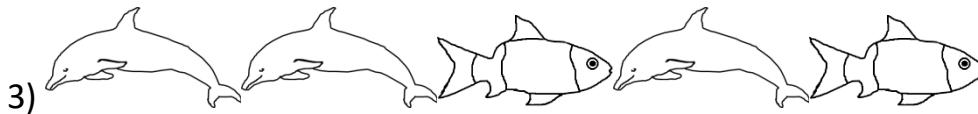
c) What proportion (fraction) of the fish are yellow? _____



a) What is the ratio of frogs to crickets? _____ : _____

b) What is the ratio of frogs to all creatures? _____ : _____

c) What proportion of the creatures above are frogs? _____



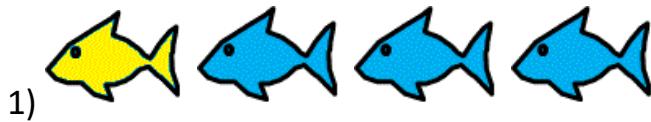
a) What is the ratio of dolphins to fish? _____ : _____

b) What is the ratio of dolphins to all the sea creatures? _____

c) What proportion of the sea creatures above are dolphins? _____



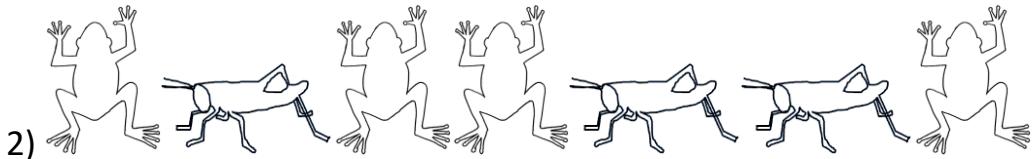
RATIO PART-WHOLE PROBLEMS 6:1 ANSWERS



1) 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**

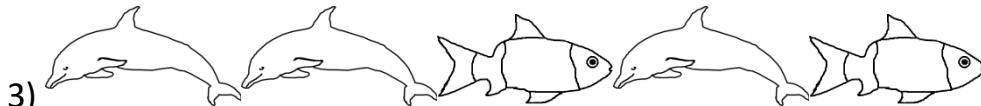
c) What proportion (fraction) of the fish are yellow? **$\frac{1}{4}$**



2) 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? **$\frac{4}{7}$**



3) 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? **$\frac{3}{5}$**