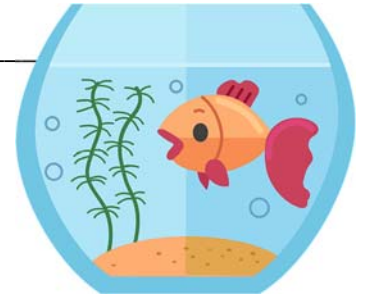


Name \_\_\_\_\_



## The Aquarium Tank Challenge (Liquid Volume)

At the Ocean Discovery Center, workers are setting up new aquariums for tropical fish, turtles, and coral. Each tank must be filled to a precise volume with clean water and balanced perfectly between tanks. Use your math and algebra skills to help the team measure, divide, and balance the aquarium water correctly!

- 1) A large tank can hold 1,200 L of water. After filling  $x$  L, there are 350 L left to add. Find  $x$ .
- 2) Each small aquarium holds 60 L. How much water is needed to fill 7 tanks?
- 3) The staff filled 4 equal tanks, and together they contain 2,800 L of water. Find how much each tank holds.
- 4) A turtle pond has  $x$  L of water. After adding 450 L, it reaches its total capacity of 1,200 L. Find  $x$ .
- 5) The main coral reef tank holds 9,000 L of water. If it is divided evenly into 5 sections, what is the volume of each section?
- 6) A staff member poured  $x$  L of water into the shark tank and another 375 L into the dolphin tank. Together, she poured 1,125 L. Find  $x$ .
- 7) A pump can move 240 L of water every minute. How many minutes will it take to fill a 1,920 L tank?
- 8) The jellyfish exhibit holds 5 tanks, each  $x$  L. The total volume of water across all tanks is 2,750 L. Find  $x$ .
- 9) The large whale pool was 12,500 L full. After draining 4,600 L, how much water remains?
- 10) The sea turtle nursery needs  $x$  L more to reach its full 6,000 L capacity after adding 4,450 L. Find  $x$ .