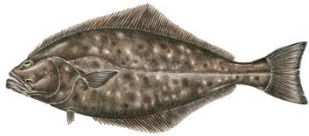


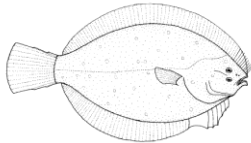
You are to complete a census (count the animals) in the Fisheries Exhibit. Write the number in the box next to the fish.

*\*numbers subject to change\**



1

Atlantic halibut



5

Winter flounder  
(smaller than halibut)



11

Pollack



5

Atlantic cod  
(wider than pollack)

Total number of fish in exhibit

22

Using the line on the right side of the page (25 cm long), measure these exhibits. (listed in order when exploring from the beginning)

Length of Anemone Exhibit:  $8 \times 25 = 200 \text{ cm}$

Diameter of Alewives Exhibit (measure in the Discovery Centre):  $12 \times 25 = 300 \text{ cm}$

Height of Clownfish Exhibit (inside portion of pop-up):  
 $2.5 \times 25 = 62.5 \text{ cm}$

Diameter of Ephyrae Moon Jellyfish Exhibit (young jellyfish):  $2 \times 25 = 50 \text{ cm}$

Depth of water in Ray Bay (shallow end):  
 $2 \times 25 = 50 \text{ cm}$

Calculate the volume of the Lumpfish Exhibit (write answer in  $\text{cm}^3$ ). Remember:  $V = lwh$

$$l = 8.5 \times 25 = 212.5 \text{ cm}$$

$$w = 3.5 \times 25 = 87.5 \text{ cm}$$

$$h = 4 \times 25 = 100 \text{ cm}$$

$$V = 212.5 \times 87.5 \times 100$$

$$= 1\,859\,375 \text{ cm}^3 \text{ or } 1\,859 \text{ L}$$

The aquarium freezer has 683 kg of food, there was a shipment of 362 kg, and then 294 kg was fed to the animals. How much food is in the freezer?

$$683 + 362 - 294 = 751 \text{ kg of food is in the freezer}$$

Observe Rainbow Reef for 2 minutes. Estimate the quantity of fish in this exhibit. Circle the approximate number. (Hint: count all the fish you see from top to bottom in front of you, then multiply that number by how many of you could stand in front of the exhibit side-by-side)

- a) 100
- b) 1000
- c) 10 000
- d) 100 000

Name two things an aquarium would use math for that were NOT mentioned on this sheet.

- Making change for a cash purchase.
- Calculating what percentage of animals that give birth a year.
- Mixing saltwater with the correct ratios.
- Calculating how much an animal should eat based on its body weight.
- Measuring the growth of an animal over time.

Describe your favourite animal you saw today at the aquarium.

Which exhibit does it live in? \_\_\_\_\_

What colour is it? \_\_\_\_\_

What shape is it? \_\_\_\_\_

Estimate its length: \_\_\_\_\_ cm

Why is this your favourite animal?

\_\_\_\_\_

Name one thing you can do to help this animal in the wild:

\_\_\_\_\_

**STUDENT NAME:** \_\_\_\_\_