

Ocean Adventures

Twenty Questions



You and a partner should each pick one of the ocean animals that you were introduced to during your Nature Van visit, but don't tell each other which animal yet! Take turns asking each other the following **20 Yes or No questions** until you can figure out the ocean animal your partner has picked. If you are not sure of an answer to a question, give your best guess!

Twenty Questions

1. Can your ocean animal fly?
2. Does your animal have scales?
3. Does your animal have sharp claws?
4. Does your animal have baleen?
5. Is your animal fast?
6. Does your animal swim?
7. Does your animal live on the sandy beach?
8. Is your animal a carnivore?
9. Does your animal have camouflage?
10. Does your animal breathe through gills?
11. Is your animal a predator?
12. Does your animal lay eggs?
13. Is your animal an endangered species?
14. Does your animal travel long distances?
15. Does your animal have a tail?
16. Can your animal live on a whale's tail?
17. Does your animal have 5 legs?
18. Is your animal bigger than a house cat?
19. Does your animal have a good sense of smell?
20. Can your animal hold 3 gallons of water in their mouth?

“Are you a _____?”



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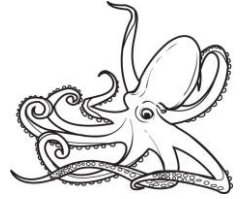
Ocean Adventures



Try your hand at solving these *wild* math problems!

1. Multiply the number of limbs on an octopus by the number of wings on a pelican.

$$\underline{\quad} \times \underline{\quad} = \square$$



2. The _____ Ocean is off the coast of California.
Count up the number of letters in that ocean's name and multiply that by the number of eyes on a seal.

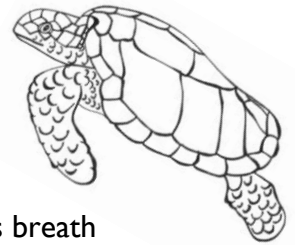
$$\underline{\quad} \times \underline{\quad} = \square$$

3. Count up how many different kinds of marine mammals (*mammals that depend on the ocean for food and survival*) you can name. Subtract the number of marine mammals with the number of flippers on sea turtle.

$$\underline{\quad} - \underline{\quad} = \square$$

4. On average, a Brown Pelican can hold 3 gallons of water in its stretchy pouch under its beak. If there are five Brown Pelicans diving for fish, how many gallons of water could they hold total?

$$\underline{\quad} \times \underline{\quad} = \square$$



5. If a Harbor Seal can hold its breath for 30 minutes, and a Sea Lion can hold its breath for 20 minutes, how much longer can the Harbor Seal stay under water than the Sea Lion?

$$\underline{\quad} - \underline{\quad} = \square$$

6. If every person in your class organizes two beach clean ups this year, how many total beach clean ups would there be?

$$\underline{\quad} \times \underline{\quad} = \square$$

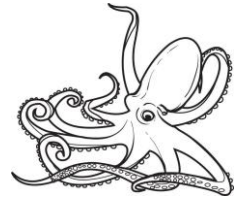




Try your hand at solving these *wild* math problems!

1. Multiply the number of limbs on an octopus by the number of wings on a pelican.

$$\underline{8} \times \underline{2} = \boxed{16}$$



2. The **Pacific** Ocean is off the coast of California.
Count up the number of letters in that ocean's name and multiply that by the number of eyes on a seal.

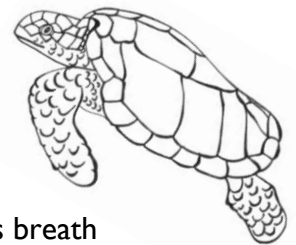
$$\underline{7} \times \underline{2} = \boxed{14}$$

3. Count up how many different kinds of marine mammals (*mammals that depend on the ocean for food and survival*) you can name. Subtract the number of marine mammals with the number of flippers on sea turtle.

$$\underline{?} - \underline{4} = \boxed{?} \quad \text{Student answers will vary.}$$

4. On average, a Brown Pelican can hold 3 gallons of water in its stretchy pouch under its beak. If there are five Brown Pelicans diving for fish, how many gallons of water could they hold total?

$$\underline{3} \times \underline{5} = \boxed{15}$$



5. If a Harbor Seal can hold its breath for 30 minutes, and a Sea Lion can hold its breath for 20 minutes, how much longer can the Harbor Seal stay under water than the Sea Lion?

$$\underline{30} - \underline{20} = \boxed{10} \text{ minutes}$$

6. If every person in your class organizes two beach clean ups this year, how many total beach clean ups would there be?

$$\underline{?} \times \underline{2} = \boxed{?} \quad \text{Answer depends on class size}$$

