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$$21 + 14 + 32 + 43 = \boxed{}$$

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 **Amazing
Animals** 

Sharks

Skip Counting



Saskia Lacey

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Sharks: Friends or Foes?

When you hear the word *shark*, what comes to mind? Do you imagine lots of scary, sharp teeth? If you do, you are not alone. Many people are scared of sharks.

There are over four hundred different species, or types, of sharks. Not all of them are dangerous. Most sharks do not bother people. When you get to know sharks, one thing is certain: all of them are **unique**.



great white shark

LET'S EXPLORE MATH

Imagine your class visits an aquarium during a school field trip.

1. So far, your friends have counted 37 tanks. They ask you to keep counting at an exhibit with 4 tanks. What are the next four numbers after 37?
2. Aquarium workers are feeding food pellets to fish. As they toss food pellets into the tank, they count back to keep track of how many food pellets are left. Right now, there are 122 food pellets. When counting back from 122, what are the first four numbers they will say?

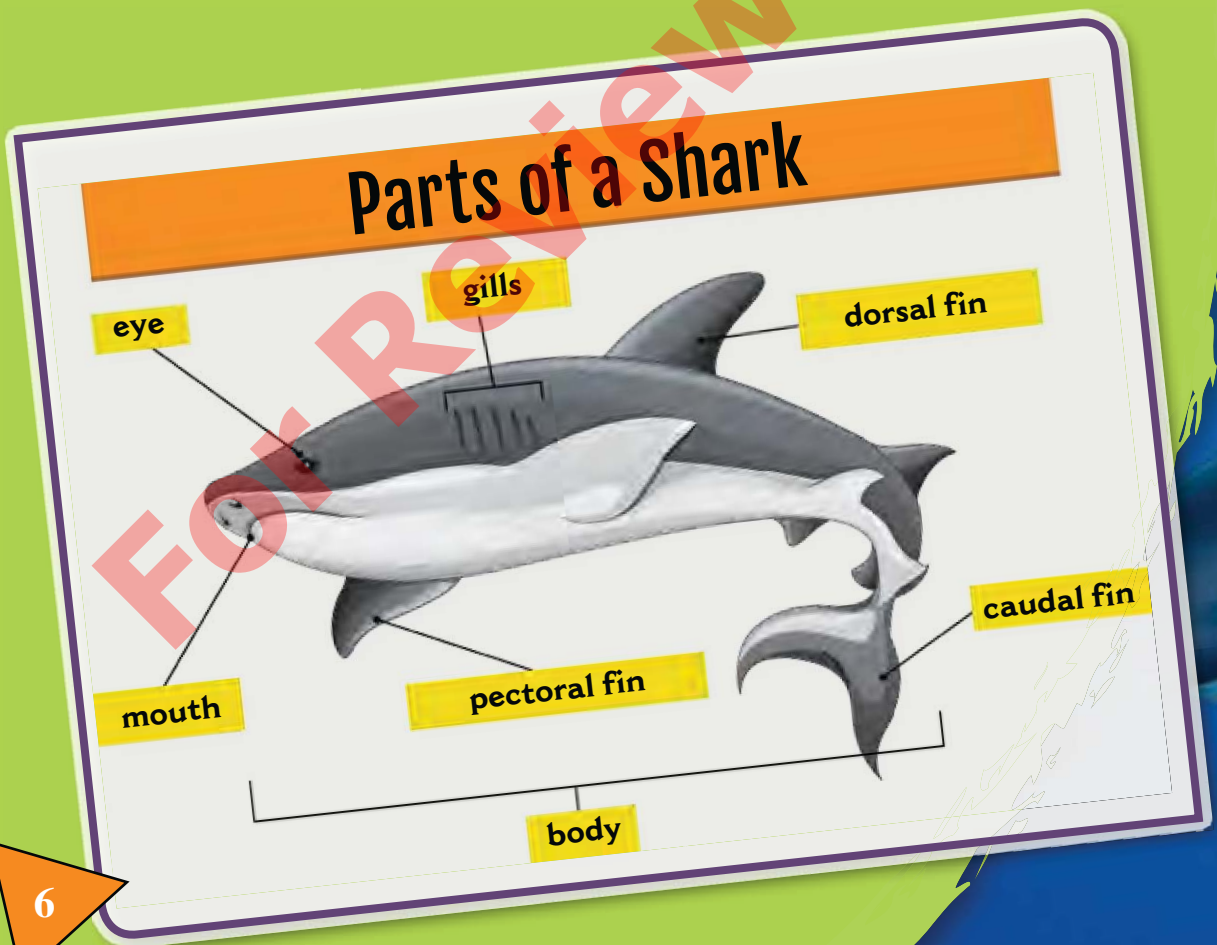


reef shark

From Teeth to Tail

With so many species of sharks, there is a lot of variety in what they look like. But, many sharks share the same **anatomy**.

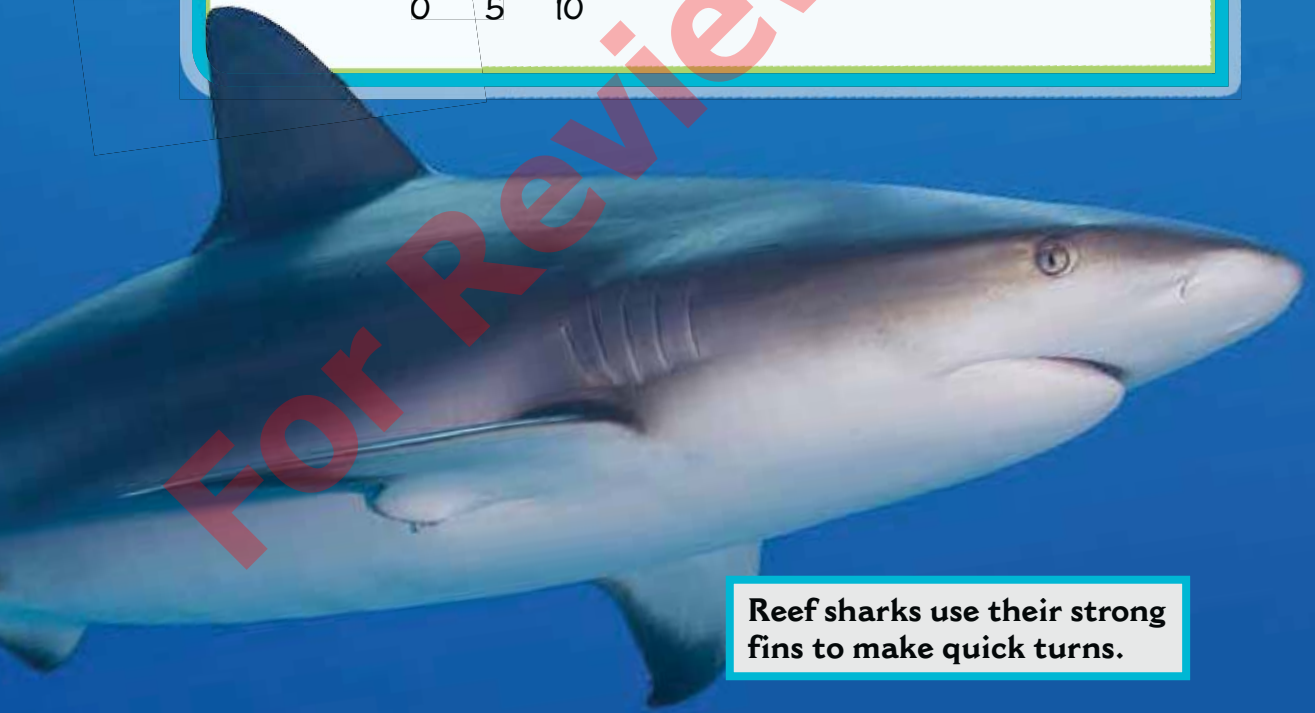
All sharks are fish. This means that they use **gills** to breathe and **fins** to swim. Caudal (KAUD-uhl) fins, or tail fins, give sharks strength. As sharks move from side to side, their fins push them through the water.



LET'S EXPLORE MATH

While at the aquarium, Toby notices that some sharks have 5 gills on each side of their bodies.

1. Skip count by 5s to prove how many total gills one shark has.
2. There are 4 sharks in the tank. Draw a number line similar to the one below. Choose a number to skip count by, and use the number line to prove how many gills four sharks have.



Reef sharks use their strong fins to make quick turns.

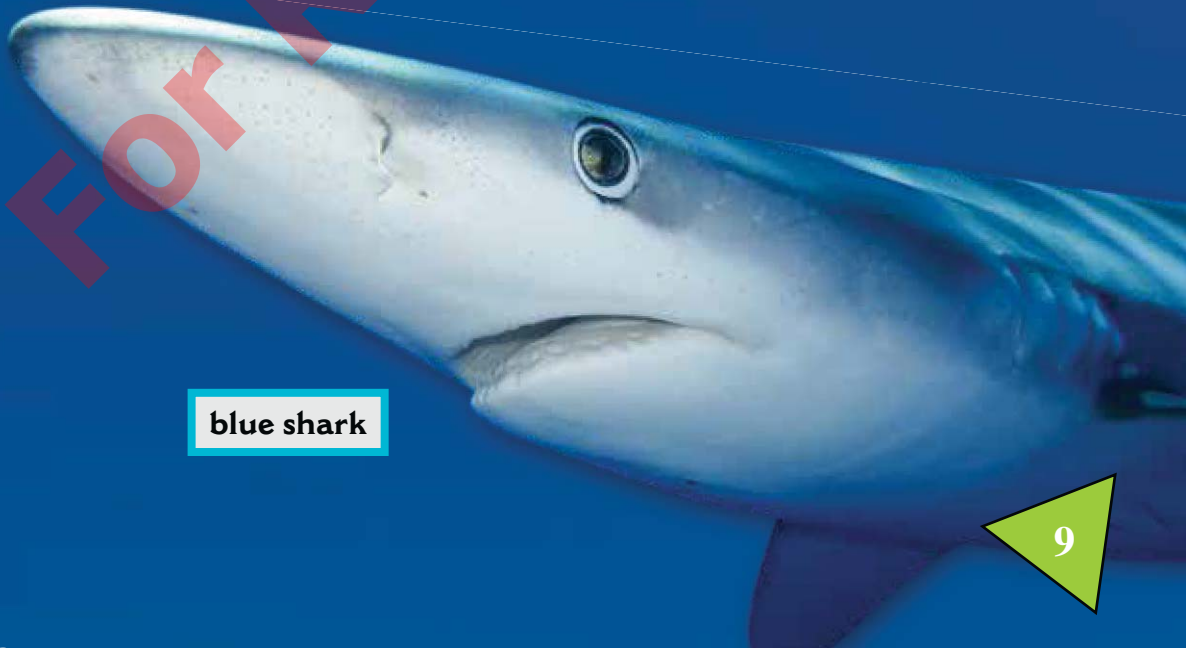


Most sharks have pointed fins and **snouts**. Blue sharks and great white sharks have this shape. It helps them cut through water and swim quickly. Some of these sharks can swim over 40 miles per hour (64 kilometers per hour) when they chase **prey**.

Other species, such as the whale shark and the angel shark, have flat, round snouts. Sharks use this type of snout to bury themselves in the sand. Then, they hide as they wait for prey to swim by.



whale shark



blue shark

Math Talk

1. What strategies do you use to count forward?
2. Do you always have to start at 0 when skip counting? Why or why not?
3. How can number lines show skip counting?
4. What patterns do you notice when skip counting by 5s?
5. Jesse is counting up by 1s from 146. He writes 147, 148, 149, 1410. What mistake did he make? How can he correct it?
6. Susan is saving for a \$50 aquarium. She wants to save the same amount of money each week. Use skip counting to design a savings plan for Susan. Why should she use your plan?