

Homework 3/23/22

Reading Homework:

Shark Skin & Swimsuits

Adapted from readworks.org



A shark's skin is covered in tiny scales called denticles. Denticles, or "little skin teeth," help the shark move quickly in the water. The denticles are shaped in a way that allows water to flow past the shark. They are also rough, which makes it difficult for algae and barnacles to grow on them.

Scientists have been inspired by shark skin. They have been working to invent a swimsuit made out of artificial shark skin.

Would you want a sharkskin swimsuit? It's likely that these suits will be too expensive to afford for a while. It is also expected that these suits will be banned from major swimming competitions. It is estimated that the suits would reduce swimming time by 3 to 5 percent. This would give an unfair advantage to anyone wearing one in a race.

Scientists also believe that an artificial shark skin material would be ideal for ships. This material would allow the ship to move through water more quickly and efficiently. It would also stop any algae and barnacles from growing on the ship. As a result, the shark skin ship material would cut down on oil costs and on clean-up costs.



1. What do denticles on a shark's skin help the shark do?

- A. They keep other animals from biting or bothering the shark.
- B. They help the shark change direction while swimming.
- C. They help the shark move quickly through water.
- D. They attract fish and animals for the shark to eat

2. The text describes how a shark's skin helps it. What is one way a shark's skin helps the shark?

- A. It helps sharks rest efficiently.
- B. It keeps barnacles from growing on sharks.
- C. It helps sharks' teeth stay healthy.
- D. It keeps other fish away from sharks.

3. The text says, "Swimsuits made of artificial shark skin would help swimmers move through the water more easily." What evidence from the text best supports this conclusion?

- A. "Denticles, or 'little skin teeth' help the shark move quickly in the water."
- B. "It is likely that these suits will be too expensive for anyone to afford for a while."
- C. "This would give an unfair advantage to anyone wearing one in a race."
- D. "Scientists also believe that an artificial shark skin material would be ideal for ships."

Writing Homework:

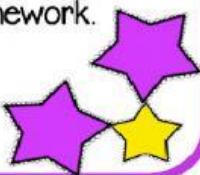
Transitions

Fill in the blank with the best transition word or phrase

13

Tasha spent most of the evening watching TV. _____, she did not finish her homework.

- a) Further more
- b) Finally
- c) Therefore



Transitions

Fill in the blank with the best transition word or phrase

15

_____, it was time to go to the beach.

- a) First
- b) Finally
- c) Similarly



Transitions

Fill in the blank with the best transition word or phrase

14

_____ Mount St. Helens is a volcano, it has not erupted in many years.

- a) Although
- b) Because
- c) In conclusion



Transitions

Fill in the blank with the best transition word or phrase

16

Brown bats eat mostly beetles, _____ moths, flies, and wasps.

- a) as well as
- b) for example
- c) especially



Math Homework:

1. Which shows these fractions ordered from greatest to least.

$$\frac{7}{9}, \frac{6}{5}, \frac{3}{4}$$

a. $\frac{7}{9}, \frac{3}{4}, \frac{6}{5}$	b. $\frac{6}{5}, \frac{7}{9}, \frac{3}{4}$
c. $\frac{3}{4}, \frac{7}{9}, \frac{6}{5}$	d. $\frac{7}{9}, \frac{6}{5}, \frac{3}{4}$

2. Solve for the difference of $\frac{7}{8}$ and $\frac{9}{12}$. *Remember all answers must be in simplest form - look at your notes*

a. $\frac{3}{8}$	b. $\frac{5}{8}$
c. $\frac{2}{8}$	d. $\frac{1}{8}$

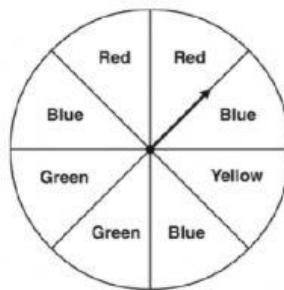
3. Mrs. Grady wrote this pattern on the board.

65, 62, 59, 56, 53, 50, ___, ___, 41, 38

If this pattern remains the same, what numbers should Mrs. Grady write in the blanks?

a. 46, 42	b. 47, 44
c. 48, 46	d. 49, 42

4. Ohm will spin the spinner once.



What is the probability that the pointer will land on a yellow section?

a. $\frac{1}{8}$

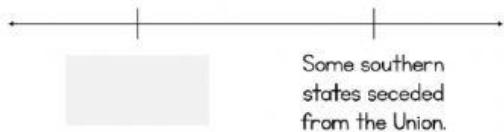
b. $\frac{1}{3}$

c. $\frac{3}{8}$

d. $\frac{3}{5}$

Virginia Studies Homework:

What major event belongs on the timeline?



Richmond was burned by the Confederacy.

Abraham Lincoln
was elected the
16th President.

Robert Smalls
served in
Congress.

After seceding, some southern states formed their own nation, called:

Science Homework:

