

Instructions

Complete each section with your best effort. Show your work where needed.

English

Write a short story (about 1 paragraph) about a character who discovers a hidden treasure while sailing. Be creative and include details about the setting and the character's feelings.

Math

1. A boat is sailing at a speed of 12 knots. How many kilometers will it travel in 5 hours? (Remember: 1 knot \approx 1.852 km/h)

2. A sailor needs to travel 25 nautical miles to reach shore. If the boat's speed is 8 knots, how long will the trip take?

3. A life raft can hold 4 people. If there are 12 people on board, how many life rafts are needed?

Science

1. What is the purpose of a compass on a boat, and how does it help in navigation?

2. Explain one way technology like GPS has improved safety while boating.

3. Why is it important to know the tides when navigating near coastal areas?