

Name \_\_\_\_\_

Date \_\_\_\_\_

## Island Math

These math problems are based on some of the things you read about in *The Cay*. Work with a partner or on your own to solve them. Do your work on a separate sheet of paper and show all work.

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| <p>1. The island was about one mile long and half a mile wide. What is the perimeter of the island? (Hint: <math>P = 2L + 2W</math>)</p> <p>Answer: _____ miles</p>                | <p>5. Timothy thought they might be on the island called Devil's Mouth; 40 or 50 miles of coral banks ran on either side. How many kilometers is that? (Hint: 1 mi. = 1.61 km)</p> <p>Answer: _____ km or _____ km</p> |
| <p>2. Timothy found a place to make their camp near a palm which was about 40 feet from the ocean. How many inches is that? (Hint: 12 in. = 1 ft.)</p> <p>Answer: _____ inches</p> | <p>6. When Timothy first spotted the island, he figured they were two miles away from it. How many feet is that? (Hint: 1 mi. = 5,280 ft.)</p> <p>Answer: _____ feet</p>   |
| <p>3. Their hut was eight feet wide and six feet long. What is the perimeter of the hut? (Hint: <math>P = 2L + 2W</math>)</p> <p>Answer: _____ feet</p>                            | <p>7. Slowly, Phillip began to know the island. He believed that the beach was 40 yards wide in most places. How many feet is that? (Hint: 3 ft. = 1 yd.)</p> <p>Answer: _____ feet</p>                                |
| <p>4. The roof of the hut sloped back and was about six feet off the ground. About how many meters is that? (Hint: 3 ft. = .9 m)</p> <p>Answer: _____ m</p>                        | <p>8. Flying fish flopped right onto the raft. They could jump as high as 30 feet. How many yards is that? (Hint: 3 ft. = 1 yd.)</p> <p>Answer: _____ yds.</p>   |

**Extension:** Using the information in the problems above, make up your own word problems.

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