

EXPEDITION EXPLORER GUIDE WHERE DOES MATH TAKE YOU?

Almost without knowing, we use MATH in so many ways in our daily lives. We use it to FIGURE out if we have enough money to pay for things at the store or to DECIDE what time we have to leave home to get to soccer practice on time. Onboard Bodacious Dream, we use math to keep TRACK of where we are, where we're headed, and when we'll get there. And, we use it to CALCULATE if we have enough food, cookies, and water onboard. All these things are important to help us travel safely from one harbor to another.

The Bodacious Dream crew needs your help to navigate from one place to another. Come onboard!





We plan to leave New York City on **Saturday, May 18th** at 2:00 p.m. The trip to Newport, Rhode Island is 231 miles. Remember we are sailing at 7 miles per hour. When will we get to Newport?

What DAY will we arrive? _____

What **TIME** will we arrive? ______ a.m. or p.m.?

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How **LONG** did it actually take us and how **FAST** did we sail?

Leg	Miles		Hours		Miles per Hour
Charleston to New York		••		=	
New York to Newport		•		=	



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The Atlantic Cup has **TWO** offshore legs — Charleston to New York and New York to Newport — and several inshore races — in Newport.

How many miles will Bodacious Dream race OFFSHORE? ______ + _____ = _____ miles

How many DAYS will we be offshore? _____ + ____ = ____ days



And now, for the most **IMPORTANT** calculation of the trip: We know Dave likes Chocolate Chip cookies because he's allergic to peanuts. Dave only eats two cookies a day so he won't gain weight. How many **COOKIES** will Dave need to have onboard for the trip?

If there are 28 cookies in a package, **AND** Dave was nice enough to share them with Matt, how many cookies could they each eat every day if they had one package onboard?

This time there will be just two crewmembers during the two off- shore races. We will work in 4 hour shifts we call "watches." How					Watch	Start Time	
many X	AICHES are ther	e in a DAY?	_			1	2:00 p.m.
16 . 1			·	_ watches			
If watches start when we leave Charleston at 2:00 in the afternoon, tell us what TIME each watch will begin.							
	A KNOT is a nautical mile figured out to 6000 feet to work with the latitude and longitude system of navigation.						
N S	A STATUTE MILE is 5280 feet and is used to measure distance on land. How many miles per hour is 7 knots of boat speed?						
BON							
	How many offsh (distances are in	nore miles w nautical mil	vill we sail es)?				
	How many mile	s would tha	t be by car?				