

SOLUTION. If the 12 *km* of path from point *A* to point *B* were all East, it would take Nemo $12 \times \frac{1}{3} = 4$ hours to get to point *B* after setting out from point *A*; if the 12 *km* of path from point *A* to point *B* were all West, it would take Nemo $12 \times \frac{1}{6} = 2$ hours to get to point *B* after setting out from point *A*; if the 12 *km* of path from point *A* to point *B*

were a mix of East, West, North, and/or South it would take somewhere between 2 and 4 hours for Nemo to get to point B after setting out from point A . (Why?) Thus Nemo would have reached point B between 2 and 4 hours after setting out from point B . ■

NOTE. This quiz is a modified version of the problems presented in Knot I of Lewis Carroll's *A Tangled Tale*, which you can find in a number of places online, including <http://euclid.trentu.ca/math/sb/carroll/tangled/title.html>. Lewis Carroll was the pen name of Charles Lutwidge Dodgson (1832-1898), best known nowadays as the author of *Alice's Adventures in Wonderland* and its sequel, *Through the Looking-Glass*. He juggled several careers as a mathematician, writer, poet, and photographer.