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## Working Backwards with Fractions Word Problems (4.NF.3)

<u>Directions</u>: Solve the following word problem using numbers, pictures (model drawings), and words. ☺

True again.....If a dolphin's average speed is 2 miles in 1/4 of an hour, how far can a dolphin swim in 1 hr? 5 hrs? 10 hrs?

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Possible ways to calculate the answer...

1 hr= 8 mi

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There are four quarters (1/4) in an hour. A dolphin swims 2 miles in 1/4 hr.  $4 \times 2 = 8$  dolphin can swim 8 miles in an hour. To find out how many miles a dolphin can swim in 5 hours, multiply 5 x 8. The product is 40. A dolphin can swim 40 miles in 5 hours. Now for 10 hours, you multiply 10 by 8.  $10 \times 8 = 80$  A dolphin can swim 80 miles in 10 hours.

or

Make a chart...

Time	Distance (mi)
<sup>1</sup> / <sub>4</sub> hr (15 min)	2 mi
1 hr	8 mi
5 hr	40 mi
10 hr	80 mi