



Name _____

Date _____

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Multiplying Fractions by a Whole Number
Word Problems
(4.NF.4)

Directions: Solve the following word problem using numbers, pictures (model drawings), and words. 😊

Emile and his family like to hike on the Adirondack Trail. They enjoy the challenging trails the most. They were able to hike $\frac{7}{8}$ of a mile an hour. If they spent 8 hours hiking before they set up camp for the night, what distance did they hike? If they hike 10 hours tomorrow, what distance will they hike?

Answer: _____

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Answer:

$8 \times \frac{7}{8} = \frac{56}{8} = 7$ They hiked 7 miles in the 8 hours.

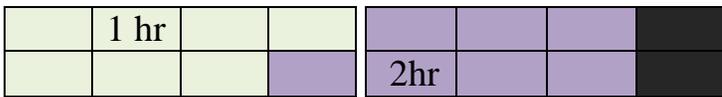
$10 \times \frac{7}{8} = \frac{70}{8} = 8 \frac{6}{8}$ They will hike $8 \frac{6}{8}$ miles in 10 hours.

or

$$\frac{7}{8} + \frac{7}{8} = \frac{56}{8} = 7$$

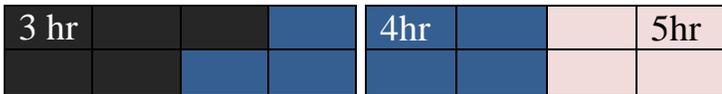
1 mi

1 mi



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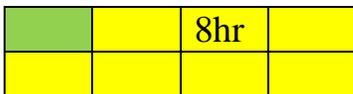


1 mi

1 mi



1 mi



1 mi

$\frac{6}{8}$ mi



$$\frac{7}{8} + \frac{7}{8} = \frac{70}{8} = 8 \frac{6}{8}$$