Name_____   Date_____

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

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

If a painter can paint 1/3 of a wall in 1 hour, how many walls can he/she paint in 9 hr? 20 hr?

Answer: _____

Answer:

You know the painter can paint 1/3 of a wall in an hour. To find out how much of a wall he/she can paint in 9 hours, you multiply 9 x 1/3. The product is 9/3 or 3. Now to find out how many walls they can paint in 20 hours, you multiply 20 by 1/3. The product is 20/3 or 6   2/3. He/She can paint 3 walls in 9 hours and 6 2/3 walls in 20 hours.

1 wall =3 hrs

1 hr	1 hr	1 hr

 2 walls=6 hrs

1 hr	1 hr	1 hr

3 walls=9 hrs

1 hr	1 hr	1 hr

4 walls=12 hrs

1 hr	1 hr	1 hr

5 walls=15 hrs

1 hr	1 hr	1 hr

6 walls=18 hrs

1 hr	1 hr	1 hr

 6 2/3 wall=20 hrs

1 hr	1 hr	