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. ③

At Robotics Camp, Christopher has to build a walking crocodile. The directions state that he needs to cut 16 separate 1/4 ft lengths of wire. If he has 3 ft of wire at his table does he has enough wire?

Answer:

Answer: \_\_\_\_\_

Name\_\_\_\_\_



Date\_\_\_\_\_

I know Christopher has 3 ft of wire. He needs to cut 16, 1/4 lengths of wire. I need to multiply 16 x 1/4. 16/1 x 1/4 = 16/4 = 4 He needs 4 ft of wire for his project. 3 < 4 So, he does not have enough wire. He needs 1 more ft of wire.

Shaded boxes represent what he has. The non-shaded boxes represent what he still needs.

1	2	3	4
1/4	1/4	1/4	1/4
5	6	7	8
1/4	1/4	1/4	1/4
9	10	11	12
1/4	1/4	1/4	1/4
13	14	15	16
1/4	1/4	1/4	1/4

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