

Rate Problems

1. Robert catches 3 fish every 2 hours. Assume that Robert continues to catch fish at the same rate. Use the table below to help you answer the next questions.

# fish	time
3 fish	2 hours

(a) How many fish will Robert catch in 6 hours? Answer: _____

(b) How long will it take Robert to catch 12 fish? Answer: _____

2. A recipe calls for 3 cups of noodles and serves 4 people. Use the table below to help you answer the next questions.

	cups noodles	# people served
1 batch	3 cups	4 people
2 batches		
3 batches		
4 batches		
5 batches		

(a) How many cups of noodles will you need to serve 12 people? Answer: _____

(b) How many people can you serve with 12 cups of noodles? Answer: _____

(c) How many cups of noodles will you need to serve 6 people? Answer: _____

3. To make a medicine, a pharmacist must mix 4 grams of powdered medicine for every 10 milliliters of liquid medicine. You may make a table to help you answer the following questions.

(a) How many grams of powdered medicine must be mixed with 50 milliliters of liquid medicine? Answer: _____

(b) How many milliliters of liquid medicine must be mixed with 12 grams of powdered medicine? Answer: _____

(c) How many grams of powdered medicine must be mixed with 15 milliliters of liquid medicine? Answer: _____