Multistep Ratio and Percent Word Problems - Independent Practice Worksheet
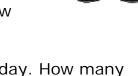
Solve the following problems.

1) Hardy's plant grows rapidly. It grows by 10 cm every 2 years. How much taller will Hardy's plant be in 5 years?

2) A beaver burrows 10 holes every 5 minutes. How many holes will it burrow if time is increased to 25 minutes?

3) Gregory drinks 6 liters of water over 2 days. In how many days would he consume another 12 liters?

4) Ron's factory is currently producing 30 chairs in a day. How many chairs will be produced if production is to be increased by 130%?

5) Fred has a bakery. He sells 40 cakes in a day. If his sales increased by 120%, how many cakes will he sell in a day?

6) Henry eats 1/3 of a loaf of bread in 2 days. How many loaves of bread will he eat in 12 days?

7) Veronica's bike requires 5 liters of gas to run for 10 kilometers. How many liters of gas does Veronica need if she has to cover 24 kilometers?

8) Betty has a cow. The cow produces 5 liters of milk in a day. If his diet is improved, the cow will produce 200% more milk. How much milk would the cow make in a day, if that were to happen?

9) A machine makes 20 carpets in a day. After oiling the machine, its efficiency will go up by 150%. How many carpets will be produced at this level?

10) Samantha can write 1 ½ pages in 3 minutes. How many pages could she write in 12 minutes?