Proportion Word Problems

1. If two pencils cost $1.50, how many pencils can you buy with $9.00?
2. Jane ran 100 meters in 15 seconds. How long did she take to run 1 meter?
3. If half of a tank can be filled in 2 minutes, how many minutes will it take to fill the whole tank?
4. A car travels 125 miles in 3 hours. How far would it travel in 9 hours?
5. Suppose it takes 48 chicken fingers to feed Mr. Young’s 4th grade class of 20 students. How many chicken fingers would be needed for 30 students?
6. It takes 4 men 6 hours to repair a road. How long will it take 7 men to do the job if they work at the same rate?
7. It takes 175 minutes to drive home at 80 km/hr. How long will it take to drive home at 100 km/hr?
8. 3 workers build a wall in 12 hours. How long would it have taken for 6 equally productive workers?
9. It takes 14 hours for a faucet with a flow of 18 liters per minute to fill a reservoir with water. How long will it take if its flow is reduced to 7 liters per minute?
10. 20 horses in a stable eat a lorry load of hay in 6 days. If 10 new horses arrive how many days will it take them to eat the same amount of hay?
11. 3 taps can fill a larger container in 8 hours. If we use 12 taps, how long will it take to fill the container?
12. A car travelling at a speed of 70Km/h. needs 6 hours to get from A to B. If another car takes 2 hours to cover the same distance. At what speed is the second car travelling?
13. A group of pupils hire a bus, at a fixed price, to go on a field trip. Initially 34 pupils were due to go on the trip at a cost of 12 euros per head but on the day there were 24 students on the bus. What was the cost per head for them?
14. It takes 4 workers 3 days. to tile the wall of an industrial premises. How many workers would it take to tile the same wall in 2 days?
15. A car travelling at a speed of 80Km/h. needs 5 hours to get from A to B. If another car takes 4 hours to cover the same distance. At what speed is the second car travelling?

Resources:

* <http://www.onlinemathlearning.com/proportion-problems.html>
* <http://www.emathematics.net/porcentajes1.php?p=&d=&tp=3>