

Problem Set - Proportions 2

Name: _____ Date: _____

Solve each problem. Show all of your work. You may use a calculator and notes.

1. If 8 items cost \$24, what will 110 items cost, at the same rate?
2. If 2 barrels of flour cost \$15, what will 12 barrels cost?
3. If a car gets 26 miles per gallon, how far to the nearest mile can it go on 20 gallons?
4. If I walk 168 miles in 6 days, how far can I walk, at the same rate, in 18 days?
5. If 8 lb. of sugar cost \$1.28, how much will 13 lb. cost?
6. If 300 barrels of flour cost \$2100, what will 125 barrels cost?
7. If 120 sheep yield 330 pounds of wool, how many pounds will 36 sheep yield?
8. If 80 yards of cloth cost \$340, what will 650 yards cost?
9. Use a proportion to find the value of four hundred pounds of sugar at five cents per pound.

10. If a dog can complete a journey in 8 days, walking 9 hours a day, how many days will it require if the dog walks 10 hours a day?
11. If 16 lions consume 560 pounds of meat in a month how much will 40 lions consume in a month?
12. A certain amount of food will feed 900 pandas for 90 days: if the number of pandas is increased by 600, now long will the same amount of food feed them?
13. What will 26.25 bushels of wheat cost, if 3.5 bushels cost \$8.40?
14. If $\frac{1}{2}$ of an ounce costs \$0.90, what will $1\frac{1}{2}$ oz. cost?
15. If one barrel of solvent is enough for 1250 parts, how many barrels are enough for 10,000 parts?
16. If 90 sacks of feed will satisfy 100 marmots for 120 days, how long will 90 sacks satisfy 75 marmots?
17. If a staff, 5 feet long, casts a shadow of 7 feet, what is the height of a steeple, whose shadow is 196 feet, at the same time of day?
18. A certain job can be done in 12 days, by working 4 hours each day: how many days would it require to do the same job, by working 9 hours a day?