

Word problem on unit rates associated with ratios of whole numbers: decimal answers: Worksheet 9.2

Name Date Score

1. It took a pet store 7 weeks to sell 20 pounds of cat food. What is the rate of cat food sold in pounds per week?
2. A machine worked for 4 hours and used 5 kilowatts of electricity. What is the rate of energy consumed in kilowatts per hour?
3. A jogger ran 45 kilometers in 7 days. What is the rate he travelled in kilometers per day?
4. A pencil factory used 52 grams of graphite to make 8 pencils. What is the rate in grams per pencil?
5. A programmer worked for 5 hours and earned \$96. What is the rate of earnings in dollars per hour?
6. Donald spent 8 days collecting 13 pounds of cans. What is the rate of collection in pounds per day?
7. A candy factory used 8 gallons of syrup to make 5 batches of candy. What is the rate of syrup used in gallons per batch?
8. A ride owner in a fair, charges \$22 for entry of 4 people. What is the rate of earnings in dollars per person?
9. A tailor used 9 meters of string to make 13 Halloween masks. What is the rate of string used in meters per mask?
10. Allen earned \$27 for mowing 6 lawns. What is the rate of earnings in dollars per lawn?



Solutions: Worksheet 9.2

1. 2.86 pounds per week
2. 1.25 kilowatts per hour
3. 6.43 kilometers per day
4. 6.5 gram per pencil
5. \$19.20 per hour
6. 1.63 pounds per day
7. 1.6 gallons per batch
8. \$5.50 per person
9. 0.69 meter per mask
10. \$4.50 per lawn

