Word problem on unit rates associated with ratios of whole numbers: decimal answers: Worksheet 9.3

Name .... Date .... Score ....

1. A scientist used 3 gallons of a liquid chemical for every 5 hours he worked. What is the rate of chemical use in gallons per hour?

2. A machine worked for 3 hours and used 4 kilowatts of electricity. What is the rate of energy consumed in kilowatts per hour?

3. A jogger ran 46 kilometers in 6 days. What is the rate he travelled in kilometers per day?

4. A pencil factory used 57 grams of graphite to make 9 pencils. What is the rate in grams per pencil?

5. A programmer worked for 5 hours and earned $108. What is the rate of earnings in dollars per hour?

6. Donald spent 7 days collecting 12 pounds of cans. What is the rate of collection in pounds per day?

7. A candy factory used 6 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 $25 for entry of 4 people. What is the rate of earnings in dollars per person?

9. A tailor used 8 meters of string to make 14 Halloween masks. What is the rate of string used in meters per mask?

10. Allen earned $28 for mowing 5 lawns. What is the rate of earnings in dollars per lawn?

1. 0.6 gallons per hour

2. 1.33 kilowatts per hour

3. 7.67 kilometers per day

4. 6.33 gram per pencil

5. $21.60 per hour

6. 1.71 pounds per day

7. 1.2 gallons per batch

8. $6.25 per person

9. 0.57 meter per mask

10. $5.60 per lawn