

Unit rates and ratios of whole numbers (Word problems): Worksheet 17.2

Name Date Score

1. If 7 smart phones cost \$560, what is the unit rate and what is the cost of 12 smart phones?
2. If there is 5 inches of snow fall in 2 hours, what is the rate of snow fall? How many inches of snow will fall at this rate in 7 hours?
3. If 6 books cost \$30, what is the cost of 15 books?
4. If Paul buys 3 oranges for \$2.25 at a fruit store, what is the rate per orange?
5. A truck can drive 240 miles on 10 gallons of gasoline. What is the truck's mileage?
6. An airplane travels 600 miles in 4 hours. At this rate, how far can the airplane travel in 7 hours?
7. If the price of 8 tickets at a zoo is \$20, what is unit rate and what is the price of 9 tickets?
8. If 10 candy bars cost \$17, what is the unit rate and what is the cost of 8 candy bars?
9. If it takes \$35 to mow 4 yards of lawn, what is the unit rate and what is the cost of mowing 9 yards of lawn?
10. If three cans of tuna cost \$14, what is the unit rate and what is the cost of 8 cans of tuna?



Solutions: Worksheet 17.2

1. \$80; \$960
2. 2.5 inches/hour; 17.5 inches
3. \$75
4. \$0.75
5. 24 miles/gallon
6. 1050 miles
7. \$2.5; \$22.5
8. \$1.7; \$ 13.6
9. \$8.75; \$78.75
10. \$4.67; \$37.33

