

6.11 Rates and Unit Rates

Chapter 6: Ratios, Rates, and Proportional Reasoning

Name: _____

Date: _____

Class/Period: _____

Problem 6.163 Find the unit rate: 72 miles in 3 hours.

Problem 6.166 Find minutes per page for the previous rate.

Problem 6.164 Find dollars per item: \$18 for 12 items.

Problem 6.167 Find cost per ounce: \$5.40 for 18 ounces.

Problem 6.165 Find pages per minute: 200 pages in 240 minutes.

Problem 6.168 Find points per game: 225 points in 15 games.

6.11 Rates and Unit Rates

Chapter 6: Ratios, Rates, and Proportional Reasoning

Problem 6.169 Find students per class: 420 students in 14 classes.

Problem 6.172 Which is cheaper: 6 items for \$8.40 or 10 for \$13.50?

Problem 6.170 Find miles per gallon: 312 miles on 12 gallons.

Problem 6.173 Which is faster: 90 words in 4 minutes or 128 words in 6 minutes?

Problem 6.171 Find gallons per mile for the previous rate.

Problem 6.174 Explain why reciprocal rates have reciprocal numerical values.

6.11 Rates and Unit Rates

Chapter 6: Ratios, Rates, and Proportional Reasoning

Problem 6.175 A pet groomer gives 15 nail trims and 9 baths. Find baths per 5 nail trims.

Problem 6.177 A worker earns \$187.50 for 12.5 hours. Find the hourly rate and pay for 18 hours.

Problem 6.176 A 24-ounce drink contains 300 calories. How many calories are in 10 ounces at the same rate?

Problem 6.178 A car travels 420 miles on 14 gallons. Another travels 351 miles on 13 gallons. Which has better fuel efficiency and by how much?