Practice worksheet | Ratio, rates and similarity

Rates and unit conversions

Name: _____ Date: _____

6 questions | 13 marks

1. Convert 54 km/h to m/s. [2 marks]

2. Convert 8 m/s to km/h. [2 marks]

3. A car travels 126 km in 1.5 h. Find its average speed. [2 marks]

4. A tap fills 42 L in 3.5 min. Find its rate in L/min. [2 marks]

5. Which is cheaper: 750 g of cereal for 4.50 dollars, or 1.2 kg for 6.60 dollars? [3 marks]

6. A bus travels 40 km in 50 minutes, then stops for 10 minutes. Find the average speed for the entire hour. [2 marks]