

# Ratios, Proportions, and Similarity

# NTI Day #3

Write on your own sheet of paper. You will not turn this worksheet in.

Show all your work.

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## Practice A: Ratios, Rates, and Unit Rates

1. Two cubic meters of olive oil have a mass of 1830 kilograms.  
What is the density of olive oil?

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2. Fabiana hikes at a rate of 3 miles per hour. How far can she hike  
in 4 hours?

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3. Cameron earns \$7 per hour. How much does he earn in  
5 hours?

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4. Simon traveled 250 miles in 5 hours. What is his average  
speed?

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5. Timothy wanted to get some exercise. He walked 20 blocks in 10  
minutes. What is his average speed on his walk?

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6. A turtle can walk 12 miles in 3 hours. What is average speed of  
the turtle?

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### Tell which is the better buy.

7. 12 oz container of juice for \$0.85 or 8 oz container of juice for  
\$0.50

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8. \$9 to deliver a 2 lb package or \$14.25 to deliver a 3 lb package

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9. 24 oz jar of cheese sauce for \$2.88 or 16 oz jar of cheese sauce  
for \$1.79

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