

# Comparing Unit Rates

Name: \_\_\_\_\_

Hour: 1 2 3 4 5 6 7

**Instructions:** Use Unit Rates along with Proportions to answer the questions below.

- If needed, round answers to nearest penny (TWO places right of decimal).

1. Tim runs the first 5 miles of a race in 45 minutes.

A. How long does it take Tim to run each mile?

B. If Tim maintains this pace, how long would it take him to run 8 miles?



2. Shop-A-Lot and Save Mart are having a sale on cereal. Shop-A-Lot has a 15 ounce box for \$3.75 and Save Mart has a 20 ounce box for \$4.00.

A. Find the Unit Rate for the cereal at Shop-A-Lot.

B. Find the Unit Rate for the cereal at Save Mart.



Which store has the better deal on cereal? \_\_\_\_\_

Give evidence to support your answer. \_\_\_\_\_

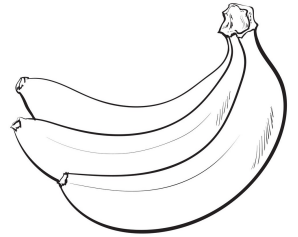
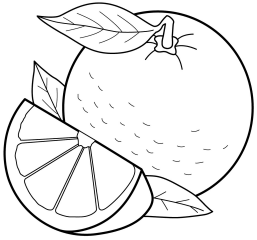
3. On Tuesday Lydia typed a 175 word essay in 5 minutes. Then on Wednesday she typed 258 word essay in 6 minutes.

On which day did Lydia type the fastest?



4. Mr. Murphy placed a sign in his store that indicates bananas are 8 for \$2.40 and another sign that the oranges are 6 for \$3.00. Elizabeth needed 3 bananas and 2 oranges for her fruit salad.

How much did she pay for the 5 pieces of fruit?



5. Stock cars race at both the Mountain Valley Track and the Howard Town Track. Ryan completed 3 laps in 99 seconds at Mountain Valley and 5 laps 255 seconds at Howard Town.

At which track did Ryan have the faster per lap time?

