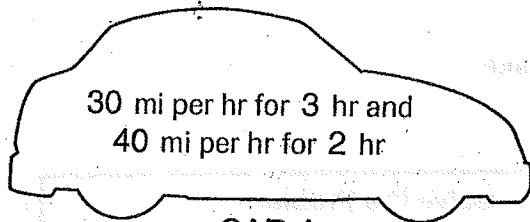


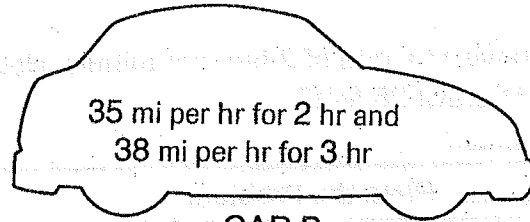
On Your Mark, Get Set, GO!!!!

The car that travels farther wins. Name the car that wins each race.

Race #1

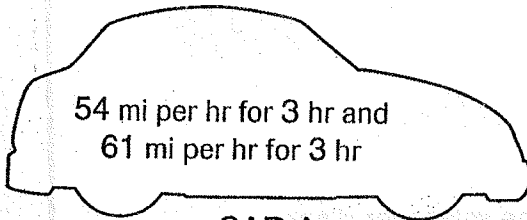


CAR A

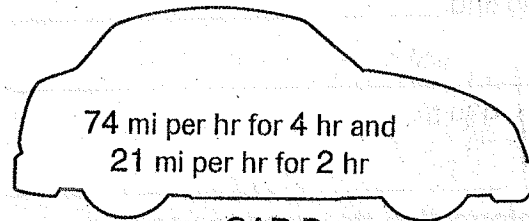


CAR B

Race #2

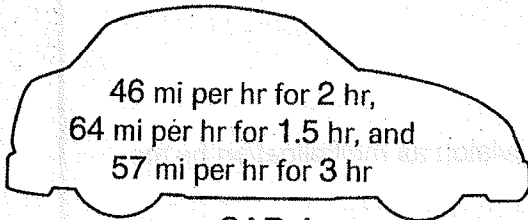


CAR A

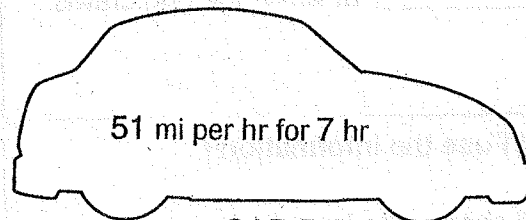


CAR B

Race #3

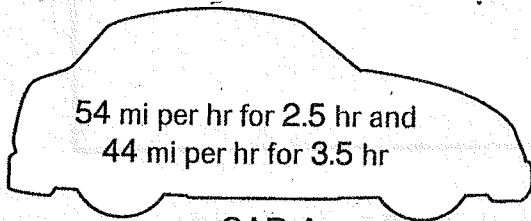


CAR A

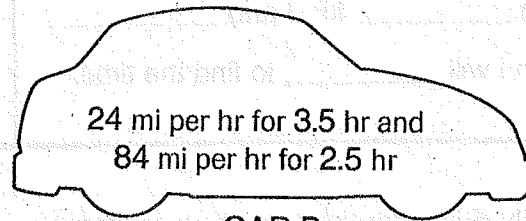


CAR B

Race #4

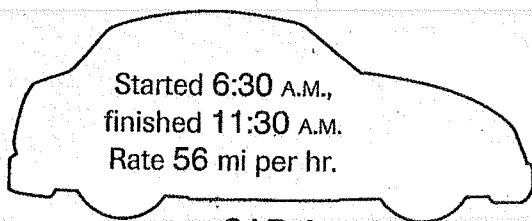


CAR A

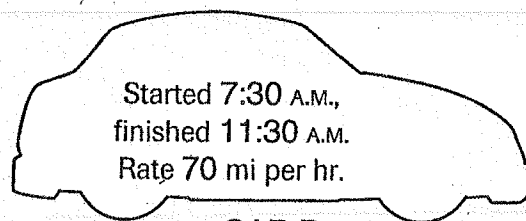


CAR B

Race #5



CAR A



CAR B

Name _____

Problem Solving • Distance, Rate, and Time Formulas

Use a formula to solve the problem.

A bug crawls at a rate of 2 feet per minute. How long will it take the bug to crawl 25 feet?

Read the Problem	Solve the Problem
<p>What do I need to find?</p> <p>I need to find _____</p> <p>_____</p>	<p>Write the appropriate formula.</p> $t = d \div r$
<p>What information do I need to use?</p> <p>I need to use the _____ the bug crawls and the _____ at which the bug crawls.</p>	<p>Substitute the values for d and r.</p> $t = \text{_____ ft} \div \frac{2 \text{ ft}}{1 \text{ min}}$
<p>How will I use the information?</p> <p>First I will choose the formula _____ because I need to find time. Next I will substitute _____ for d and _____ for r. Then I will _____ to find the time.</p>	<p>Rewrite the division as multiplication by the reciprocal.</p> $t = \frac{25 \text{ ft}}{1} \times \frac{1 \text{ min}}{2 \text{ ft}} = \text{_____ min}$

1. A family drives for 3 hours at an average rate of 57 miles per hour. How far does the family travel?

2. A train traveled 283.5 miles in 3.5 hours. What was the train's average rate of speed?