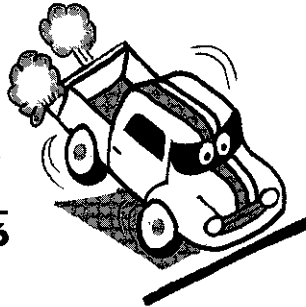


Name _____

- A car named *Thrust SSC* set the record for the fastest land speed ever for one mile. *Thrust's* speed was 763.005 mph. About how long did it take the car to go the mile?
 - 13 min
 - 0.08 min
 - 0.8 min



2. Compute: $61 \overline{)5,246}$

3. Simplify the expression:
 $26g + 30 + 5g - 7$



Start your engines.

- A quadrilateral has only two parallel sides. What is it?

- Which vehicle set its record traveling about 80 mph faster than the pickup truck?

SPEED RECORDS

vehicle	record speed (mph)	year
fastest electric car	245.951	1999
fastest steam car	145.607	1985
fastest diesel engine car	235.756	1973
fastest pickup truck	154.587	2004

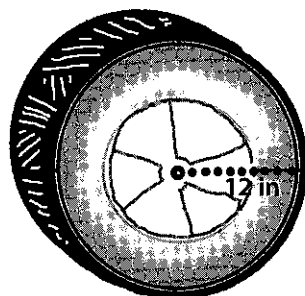
Name _____

- Joe wins a prize in a soapbox derby. He gets to choose one of eight envelopes. Five of the envelopes have \$200. The other three hold \$500. What are the odds in favor of Joe getting \$500?

2. Compute: $\$46.23 \times 2 =$

3. Write this number in words: **204,310**

- Charlene buys a new tire for her racecar. She flops it down on her garage floor. What area does it cover?



- Choose the equation to correctly solve the problem.

The stands at the Talladega Superspeedway hold 143,000 spectators. Five companies bought blocks of seats totaling half the seats. Each of four companies bought the same number of seats. The fifth company bought twice as many as the others combined. How many seats did the companies with an equal number of seats buy?

- $4s + 2(4s) = 143,000$
- $4s + 2(4s) = 71,500$
- $5s = 71,500$
- $12s = 143,000$

Name _____

1. Christina went to a soap box derby race with 12 coins in her pocket. They totaled \$1.20. What could these coins be? Give three different answers.

2. Write words to match the expression:

$$5p \div 2 =$$

3. Angela tosses a coin. Then she draws the name of a day of the week from a box. (The box holds seven slips of paper, each with the name of one of the days.) List all the possible outcomes of these events.

4. Compute:

$$-25 + 40 + 5 - (-20) =$$

5. Which figures are similar to the one without a letter?

Name _____

1. Which measurement statements are reasonable?

- a. A racehorse runs 60 k/hr.
- b. A bathtub holds 100 L of water.
- c. A car steering wheel is 20 m wide.
- d. A racecar weighs 800 kg.

2. Compute: $\frac{7}{3} \times \frac{5}{6} =$

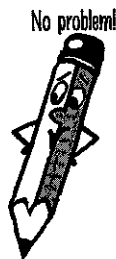
3. Which number is nine hundred ninety and ninety-nine thousandths?

- a. 909.099
- b. 990.99
- c. 990.099

4. Describe and finish the pattern.

100, 80, 90, 70, 80, 60, _____

5. Will is fixing up his racecar. He needs some paint that costs \$36.00 and some replacement parts that cost \$197.65. His state charges eight percent sales tax. Will has 38 five-dollar bills, 4 ten-dollar bills, and 100 quarters. Does he have enough to buy the supplies he wants?



Name _____

1. How many faces are there on a
- a. cube
 - b. sphere
 - c. cone
 - d. cylinder

3. Fill in the missing operation.

0.6 32.05 = 19.23

2. Compute: **362 x 143 =**

- a. 32,166
- b. 51,766
- c. 51,776
- d. 52,776

4. Write an equation that can be used to solve the problem. Solve the problem.

The Larson family drove to Baja for the *Baja 1000* race. In Baja, they met up with Grandma and Grandpa Larson, who drove from another location. Together, the two parts of the family traveled 2,100 miles. The younger Larsons drove 250 miles fewer than Grandma and Grandpa. How far did Grandma and Grandpa drive?

5. Challenge Problem

The clues give some information about how the five racers are doing in the soapbox derby. Combine good logical thinking with the diagram to figure out where each driver currently places.

Clues

Fran is **ahead** of Stan and Nan.

Dan is **behind** Nan.

Van is **ahead** of Nan.

Van is **ahead** of Stan.

Nan is just **behind** Fran.

Fran is just **behind** Van.

