MATH SUPERSTARS – 6
Uranus, V

Name: _____

(This shows my own thinking.)

★★★★ 1. Assign values to each letter so that the message becomes a meaningful addition example. Write your answer as an addition example beside the one below.

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      CROSS
+     ROADS
     DANGER
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Answer:

★★★★ 2. Every hour, on the hour, a train leaves Tallahassee for Jacksonville, while another train leaves Jacksonville for Tallahassee. The trip between the two cities takes exactly two hours. How many of the trains going in the opposite direction will a Tallahassee train to Jacksonville meet?
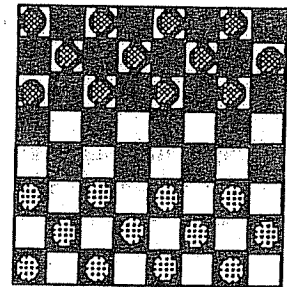
Answer: _____ trains

★★ 3. James purchased 3 hamburgers, 1 hot dog, 4 orders of French fries, and 4 soft drinks. The sales tax is 6%. How much change will he get from his $20?

MENU			
Hamburger	95 ¢	Milk	65 ¢
Hot dog	85 ¢	Soft drink	79 ¢
Grilled cheese	75 ¢	Milk shake	99 ¢
French fries	89 ¢	Ice cream	69 ¢

Answer: _____ as change

★★ 4. At the beginning of a game of checkers, what percent of the squares are not covered by checker pieces?
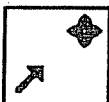
Answer: _____ %

23

★ 5. On his way to school, Skip counted 17 trees on the right side of the street. On the way home he counted 17 trees on the left side of the street. How many different trees did he count in all?

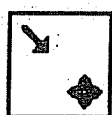Answer: _____ trees

★★ 6. Look at this figure:

What is the correct order for these three figures to show the one above being turned 90°, another 90° and another 90°, all in the clockwise direction?

a   b   c

Answer: The order is ____, ____, and ____.

★★ 7. Pluto is about 5,900,000,000 kilometers from the sun. Scientists use a shortcut for recording large numbers called *scientific notation*. Write the distance from Pluto to the sun using this shortcut.

Answer: _____ km

★★★ 8. Two of the great baseball players of this century are Willie Mays and Mickey Mantle. The graph below shows their end of year batting averages over the years from 1954 to 1964.

a. In which year did they both have the same average?

_____

b. In which year did they both average more than 1 hit in every 3 at bats? _____

c. Which hitter had the smallest range between his best year and his worst year, batting-wise? _____

MANTLE VS MAYS

BATTING AVERAGE

.365
.355
.345
.335
.325
.315
.305
.295
.285
.275

'54 '55 '56 '57 '58 '59 '60 '61 '62 '63 '64
YEARS

——— MANTLE   ——— MAYS

24