

SUPERSTARS III

Saturn, XV

Name: _____

(This shows my own thinking.)

- ★★ 1. Ms. Hill and Mr. Booth both had \$500 to invest in the stock market. Ms. Hill bought shares of Sugarloaf at \$10 per share, while Mr. Booth bought shares of Dandy's Butter at \$20 per share. Ms. Hill's shares went up in value \$0.20 per share. Mr. Booth's shares went up \$0.50 per share. How much did each earn on their shares?



Answer: Ms. Hill \$ _____ , Mr. Booth \$ _____

- ★★★ 2. Tiffany has \$20 more than Ivan. Travis has \$20. All three together have \$41. How much money does Tiffany have? _____ How much does Ivan have? _____

- ★ 3. What number do you need to add to these numbers to get 1000? Try solving these in your head. Then practice some more like these that you make up. Use your BRAINPOWER. When you turn in your paper you will be asked to use mental mathematics to solve a problem like these.

a. $300 + \underline{\hspace{2cm}} = 1000$

b. $210 + \underline{\hspace{2cm}} = 1000$

c. $450 + \underline{\hspace{2cm}} = 1000$

d. $636 + \underline{\hspace{2cm}} = 1000$

Answer for the problem given when you turn in your paper: _____

- ★★★★ 4. You are having a pool party and invite 2 of your best friends. These two friends each invite 2 other people. These 2 people invite 2 people that have not been invited. How many people will be invited if this process continues for 4 rounds? (Hint: Draw a diagram.)

Answer: _____ people



- ★ 5. Which equation has the same solution as the first equation? Circle it.

$$n + 13 = 21$$

- a. $t - 13 = 21$ b. $17 = 25 - p$ c. $9 + d = 16$

- ★★ 6. A box will hold 23 puzzles. How many boxes are needed to hold 238 puzzles?

Answer: _____ boxes

- ★ 7. A jacket Jason wants is priced at \$18.99. The sales tax is 8%. What is the total cost of the jacket, including tax?

Answer: \$_____

- ★ 8. Write the correct numbers in the boxes:

$$\begin{array}{r}
 4 \square \\
 \times 35 \\
 \hline
 2\square 5 \\
 1410 \\
 \hline
 1\square 4\square
 \end{array}$$

- ★★★ 9. Connect the points with a heavy line as described below.

- Connect (10, 1) to (10, 7)
- Connect (2, 1) to (5, 1)
- Connect (7, 4) to (10, 4)
- Connect (7, 7) to (7, 1)
- Connect (2, 7) to (5, 7)
- Connect (3.5, 1) to (3.5, 7)

