

SUPERSTARS III

Pluto, XI

Name: _____

(This shows my own thinking.)

- ★ 1. Jill, Joe and Tanya each got different grades in math class. None of them earned less than a C. Jill's grade was better than Tanya's. Joe did not do as well as Tanya. What grade did each student receive?

Answer: Jill _____
Joe _____
Tanya _____

- ★★★★ 2. Jane's aquarium contains goldfish, turtles, and snails. There are 16 legs, 10 shells, and 36 eyes in the aquarium. How many creatures of each type are there in the aquarium? (Hint : Snails have one shell and one leg.)



Answer: _____ goldfish, _____ turtles and _____ snails

- ★★★ 3. You have boxes that will hold 1 candy bar, 3 candy bars, 9 candy bars, and 27 candy bars. If each box must be packed full, what is the fewest number of boxes you need to hold 377 candy bars?

Answer: _____ boxes

- ★★ 4. E.J. went to the mall. She picked out some blue jean shorts for \$24.59, an Escher T-shirt for \$17.50, and some sandals for \$11.99. How much tax must she pay for all the items if the sales tax is 6%?

Answer: _____



- ★ 5. E.J. asks her Mom for the money to pay for the clothes, shoes and the taxes on them. To the nearest \$5, how much money should she ask her Mom for to cover all her purchases?

Answer: \$_____

- ★ 6. In Miami, it rained 71 out of the 92 days of the summer. Given this information only, what is the probability that it rained on July 4th?

Answer: _____



- ★★ 7. The ratio of boys to girls in our math class is 5 to 7. If there are 6 more girls than boys in our class, how many students total are there in our math class?



Answer: _____ students

- ★★★ 8. Richard and Fidel took a trip together. While they traveled, each of them recorded the money he spent for expenses. When they arrived home, they agreed to share the expense equally. Which one owes the other, and how much money does he owe?

Richard spent:

Gas \$73.42
Room \$67.24

Fidel spent:

Tickets \$41.76
Food \$102.50

Answer: _____ owes \$_____ to _____.

- ★★ 9. A helium balloon floats *up*, and so has negative weight. Each balloon shown to the right exactly balances 13 grams, and so has weight -13 grams. If the balloons were removed from the scale but the tape dispenser and stapler left on, what would the scale read in grams?

Answer: _____

