

# SUPERSTARS III

Pluto, XVI

Name: \_\_\_\_\_

(This shows my own thinking.)

- ★★★★1. During her summer vacation, Jenny decided to visit some of her relatives – her cousin, her grandparents, her uncle, her nephew, and her brother – all of whom live in different cities. The five cities they live in are Atlanta, Columbia, Charleston, Tampa, and Myrtle Beach. Jenny used five different types of transportation – car, plane, bus, train, and motorcycle.



- She arrived by plane and bus at the two cities which are not on the coast.
- Her uncle and her cousin live on the east coast.
- Her nephew met her plane when she arrived.
- She did not arrive at her uncle's city by car and her uncle does not live in Myrtle Beach.
- She did not go by bus to Atlanta or to visit her grandparents.
- She did not go to her cousin's city by train.

Who lives where and how did Jenny arrive?

Answer : She arrived by \_\_\_\_\_ to visit her \_\_\_\_\_ who lives in \_\_\_\_\_

She arrived by \_\_\_\_\_ to visit her \_\_\_\_\_ who lives in \_\_\_\_\_

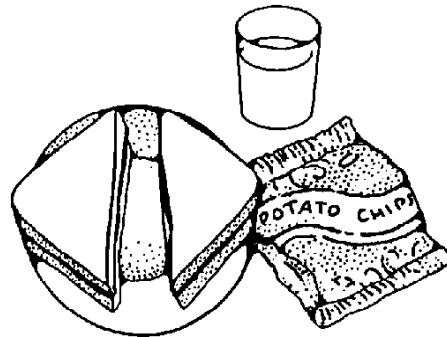
She arrived by \_\_\_\_\_ to visit her \_\_\_\_\_ who lives in \_\_\_\_\_

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She arrived by \_\_\_\_\_ to visit her \_\_\_\_\_ who lives in \_\_\_\_\_

- ★★2. A sandwich costs \$1.12, the chips cost half of what the sandwich cost, and the milk costs one quarter of the price of the sandwich. How much does the whole meal cost?

Answer : \$ \_\_\_\_\_



- ★★★3. A machinist converts a metric part to 0.443 inch. The parts only come in fractional sizes given to the nearest 64th of an inch. What is the closest fractional size?

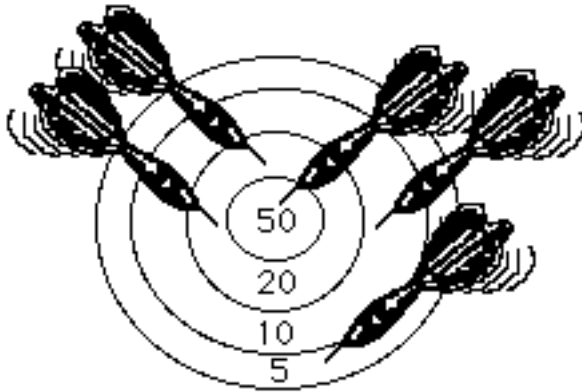
Answer : \_\_\_\_\_ of an inch

- ★★4. To double check their estimate of the cost of a job, Jack's Painting Company applies the rule of thumb that materials should constitute 20% of the total cost. If the estimate of a job comes to \$1011.00, about how much should the materials cost ?

Answer: \_\_\_\_\_



- ★★5. Robin threw 5 darts, hitting the target and scoring points on each throw. How many different ways could he have gotten his total score of 120 points?



Answer : \_\_\_\_\_ways

- ★★6. Ms. Fletcher gives her classes a mathematics spelling quiz every Monday, a problem quiz every other Monday, and a mathematics history quiz every third Monday. Ace Jones is in Ms. Fletcher's class, and he received a grade of 100% on all three quizzes today. How many weeks will it be before he again has to take all three quizzes in one day?

Answer: \_\_\_\_\_weeks

- ★7. Jack is showing Martha a card trick. He has 6 index cards, each one with a letter -- A, B, C, D, E, or F -- typed on it. Every card Jack draws has a letter that is the first letter of the month of a year. What is the probability of Jack drawing three such cards in a row, replacing the card after each draw, without a trick up his sleeve?



Answer : \_\_\_\_\_