★★★★ 1. During her summer vacation, Jenny decided to visit some of her relatives: her cousin, her grandparents, her uncle, her nephew, and her brother, who all live in different cities. The five cities they live in are Orlando, Lake City, St. Augustine, Tampa, and Miami. 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 Miami.*
- *She did not go by bus to Orlando or to visit her grandparents.*
- *She did not go to her cousin's city by train.*
- *She arrived at her grandparents by car.*

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 _____

She arrived by _____ to visit her _____ who lives in _____

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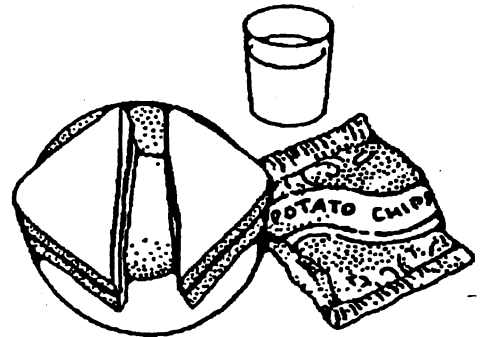
★★★ 3. A machinist converts a metric part to 0.443 inch. The parts only come in fractional sizes given to the nearest 64th of an inch. What is the closest fractional size?

Answer : _____ of an inch

45

★★ 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. In the picture below he scored 105 points. How many different ways could he get a total score of 120 points?

50
20
10
5
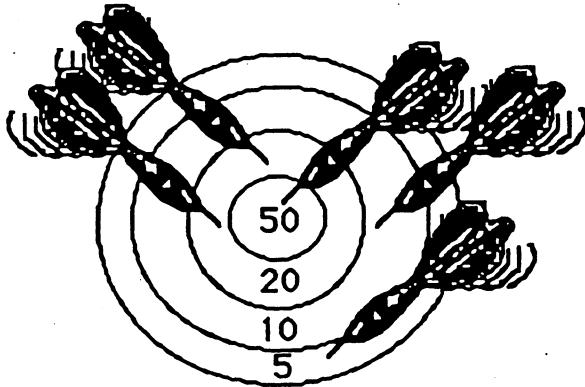
Answer : _____ways

★★ 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 that is the first letter of the name of a month. 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 : _____

A