

Algebra

Practice Questions

Directions: Select the letter of the correct answer for each question below.

1) This year, John is 3 years older than Carla. Three years ago, the sum of their ages was 45. How old is Carla in the present year?
a) 22 b) 24 c) 25 d) 27
2) If we double a number and increase it by 72, the resulting number is 88. What is the number?
a) 2 b) 4 c) 6 d) 8
3) Bea thinks of five consecutive integers. She tried adding these integers and discovered that their sum is 165. Determine the largest integer that Bea thought.
a) 34 b) 35 c) 36 d) 37
4) Alicia alone can finish cleaning a room in 3 hours. Meanwhile, Alicia's younger sister, Bela, can finish cleaning the same room in 4 hours. Suppose that one day, their mother urged Alicia and Bela to work together cleaning the same room to save time and energy. How many hours will it take for Alicia and Bela to finish cleaning the same room?
a) 1 5/7 hours



b) 1 2/7 hours



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- c) 1 1/7 hours
- d) 6/7 hours
- 5) A small farm plans to take care of at most 1200 farm animals, specifically pigs and chickens. Mang Tasyo, the farm owner, wants the number of chickens in the farm to be twice the number of pigs. Determine the maximum number of pigs in the farm that will satisfy Mang Tasyo's condition.
- a) 500
- b) 400
- c) 300
- d) 200