First Name: _____ Last Name: _____
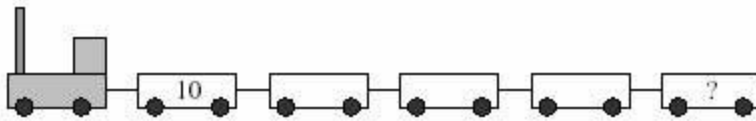
Problem 1.

What is the sum of $0 + 1 + 2 + 3 + 4 - 3 - 2 - 1 - 0$?

Answer:

Problem 2.

The first train car, right behind the engine, contains 10 boxes. In each of the other cars there are twice as many boxes as in the car in front of it. How many boxes are there in the fifth car?

Answer:

Problem 3.

Mark said to his friends, "If I had picked twice as many apples as I picked, I would have 24 more apples than I have now." How many apples did Mark pick?

Answer:

Problem 4.

Points A, B, C, D all of which lie on a straight line, are marked in the figure below. The distance between points A and C is 10 m, between B and D is 15 m, and between A and D is 22 m. What is the distance between points B and C?
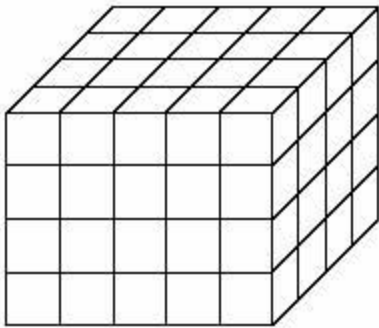

Answer:

Problem 5.

Peter has 11 pieces of paper. He cut some of them into three parts and now he has 29 pieces of paper. How many pieces of paper did he cut?

Answer:

Problem 6.

Christopher built a rectangular prism using red and blue cubes of identical size. The outer walls of this prism are red but all the inner cubes are blue. How many blue cubes did Christopher use in this construction?

Answer:

Problem 1 = 2: 3 points

Problem 2 = 3: 3 points

Problem 3 = 15: 4 points

Problem 4 = 16: 5 points

Max 15 points

Problem 5 = 18: 5 points

Problem 6 = 20: 5 points