

3. The art teacher, Mr. Gonzalez, is preparing for a project. In order for students to have the correct supplies, Mr. Gonzalez needs 10 times more markers than pieces of construction paper. He needs the same number of bottles of glue as pieces of construction paper. The number of scissors required for the project is half the number of pieces of construction paper. If Mr. Gonzalez collected 400 items for the project, how many of each supply did he collect?
4. The math teacher, Ms. Zentz, is buying appropriate math tools to use throughout the year. She is planning on buying twice as many rulers as protractors. The number of calculators Ms. Zentz is planning on buying is one quarter of the number of protractors. If Ms. Zentz buys 65 items, how many protractors does Ms. Zentz buy?

**Problem Set**

Create tables to solve the problems, and then check your answers with the word problems.

1. On average, a baby uses three times the number of large diapers as small diapers and double the number of medium diapers as small diapers.
  - a. If the average baby uses 2,940 diapers, size large and small, how many of each size would be used?
  - b. Support your answer with equations.
2. Tom has three times as many pencils as pens but has a total of 100 writing utensils.
  - a. How many pencils does Tom have?
  - b. How many more pencils than pens does Tom have?
3. Serena's mom is planning her birthday party. She bought balloons, plates, and cups. Serena's mom bought twice as many plates as cups. The number of balloons Serena's mom bought was half the number of cups.
  - a. If Serena's mom bought 84 items, how many of each item did she buy?
  - b. Tammy brought 12 balloons to the party. How many total balloons were at Serena's birthday party?
  - c. If half the plates and all but four cups were used during the party, how many plates and cups were used?
4. Elizabeth has a lot of jewelry. She has four times as many earrings as watches but half the number of necklaces as earrings. Elizabeth has the same number of necklaces as bracelets.
  - a. If Elizabeth has 117 pieces of jewelry, how many earrings does she have?
  - b. Support your answer with an equation.
5. Claudia was cooking breakfast for her entire family. She made double the amount of chocolate chip pancakes as she did regular pancakes. She only made half as many blueberry pancakes as she did regular pancakes. Claudia also knows her family loves sausage, so she made triple the amount of sausage as blueberry pancakes.
  - a. How many of each breakfast item did Claudia make if she cooked 90 items in total?
  - b. After everyone ate breakfast, there were 4 chocolate chip pancakes, 5 regular pancakes, 1 blueberry pancake, and no sausage left. How many of each item did the family eat?
6. During a basketball game, Jeremy scored triple the number of points as Donovan. Kolby scored double the number of points as Donovan.
  - a. If the three boys scored 36 points, how many points did each boy score?
  - b. Support your answer with an equation.