

I. Mystery Numbers

1. The sum of two numbers equals 29. The product of the numbers is 204. What are the two numbers?

2.

II. Percents

3. 3 out of every 11 chicken in the town are the breed Leghorn. Write this ratio as a percent.

4.

III. Fertilizing the Garden

5. Danielle has a circular garden with a diameter of 12 feet. She is using a new fertilizer. If she uses 2 teaspoons for every 10 square feet of garden, how much will Danielle need for her entire garden? Round to the nearest tenth.

6.

IV. Brick Work

7. Nathaniel can lay 16 bricks in one hour. Keith can lay 26 bricks in one hour. John can lay 43 bricks in one hour. About how long will it them to build a structure that uses 467 bricks?
Round the answer to the nearest half-hour. (1.5 means one and one-half hours)

8.

V. Percents

9. A local park has a picnic area with 25 square tables that can be pushed together to form one long table for a large group. Each square table can seat 6 people. How many people can be seated at the combined tables?

10.

VI. Fertilizing the Garden

11. The local museum is making a scale model of Happy Acres Town. The scale model is 1 inch = 4 feet. The Farm tower is 38 feet in Happy Acres Town. What is the height of the tower in the museum's model town?

12.