Planting problems worksheet

Name:

Date:

PLANTING PROBLEMS WORKSHEET

1. The splitting plant

The splitting plant grows in a special way. In the first week, the stem splits into 2 branches. The next week, each branch splits in 2 again, making 4 branches in total. This keeps happening every week until the end of the sixth week, when each branch grows a flower. How many flowers will there be?

2. Grass seeds

Maria has 3,582 grass seeds. If she only needs 2,784 seeds to cover up a dry patch on her lawn, how many will she have left over?

3. Time spent gardening

Daniel worked in his garden for much of the day on Saturday. He spent 2 1/2 hours weeding, 1 1/2 hours transplanting seedlings, and 1 hour watering. In total, how many minutes did he spend gardening?

4. Rates of growth

a) If a plant grows at a steady rate of 3 cm per month, how many months will it take for the plant to reach 12 cm?

b) If a tomato plant grows 2 tomatoes every other week, how many tomatoes will there be in 12 weeks?

c) A flowering plant produces flowers, or blooms, at a steady rate. If the plant produces 30 flowers in 6 weeks, what is the weekly blooming rate?

5. Planning gardens

Tony and his mom are creating gardens for the front and back of their house. They plan to plant the same number of seeds in the front and in the back garden. There are 630 lavender seeds, 44,000 grass seeds, and 860 morning glory seeds in total.

a) How many of each seed will they plant in the front and in the back?

b) If all of the seeds sprout, how many sprouts will there be in total?

This lesson plan was produced by the Canada Agriculture and Food Museum.

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