Paloma’s Picture  page 1 of 2

Paloma is painting a picture of a house. Help Paloma solve the following problems. Show your work using numbers, sketches, or words.

**Hint:** Use some of the strategies we have been studying lately to solve these combinations as easily as possible.

1. The door of Paloma’s house is 49 millimeters by 24 millimeters. What is the area of the door?

2. One of the windows is 15 millimeters by 32 millimeters. Another window is 30 millimeters by 16 millimeters. Paloma says the windows have the same area. Do you agree or disagree? Why?

3. The porch is 12 centimeters by 19 centimeters. What is the area of the porch?
4. Fill in the blanks.
   a. $48 \times 25 = 24 \times \underline{\hspace{1cm}}$
   b. $48 \times 29 = (48 \times 30) - (48 \times \underline{\hspace{1cm}})$
   c. $48 \times 29 = (48 \times 20) + (48 \times \underline{\hspace{1cm}})$
   d. $50 \times 29 = \frac{1}{2} \text{ of } \underline{\hspace{1cm}} \times 29$

5. True or False?
   a. $16 \times 17 = 34 \times 8$  \hspace{1cm} \underline{\hspace{1cm}}
   b. $39 \times 8 = (40 \times 8) - 1$  \hspace{1cm} \underline{\hspace{1cm}}
   c. $64 \times 20 = 32 \times 40$  \hspace{1cm} \underline{\hspace{1cm}}
   d. $50 \times 89 = 100 \times 89$  \hspace{1cm} \underline{\hspace{1cm}}

6. **Challenge**: Paloma added a garden to her painting. She has 12 rows of flowers. Each row has 13 plants in it. Each plant has 15 flowers on it. How many flowers are in Paloma’s garden? Show all your work.