

## Grade 5 Unit 2

Lesson 16

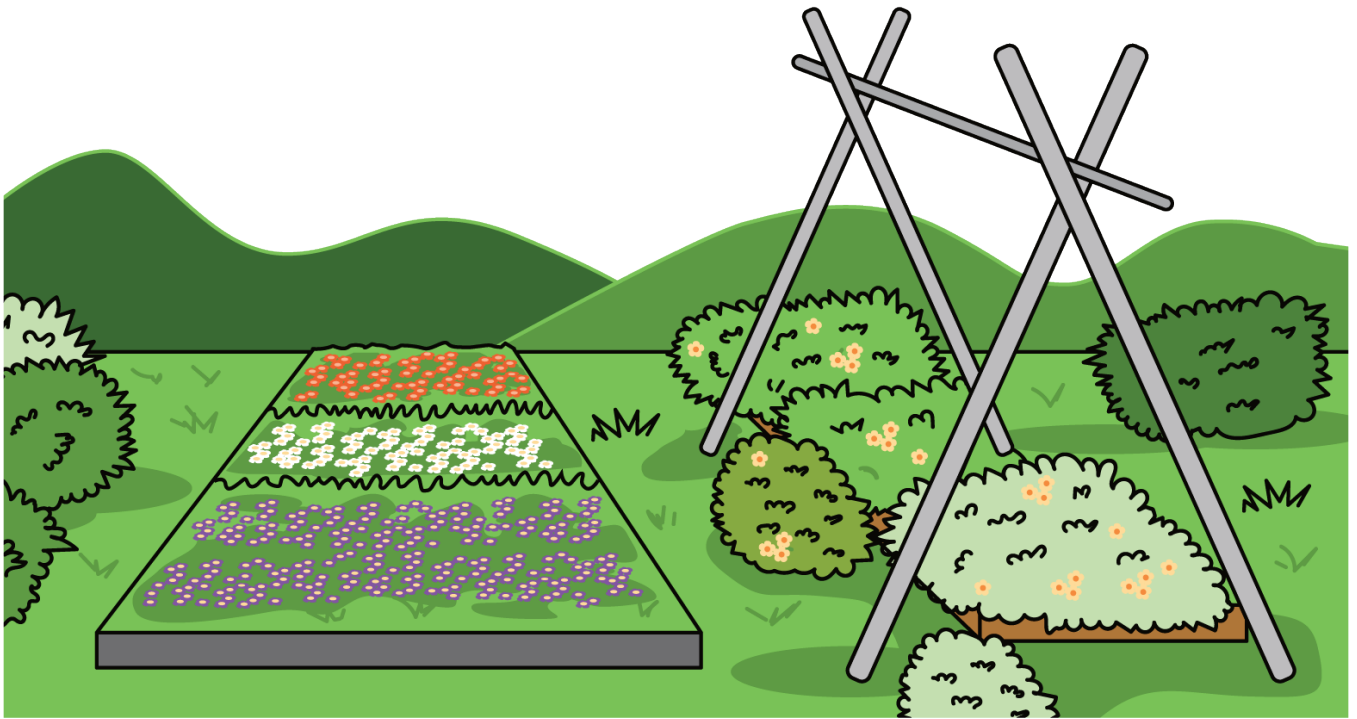
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## Unit 2 Lesson 16: Estimate Products

### WU Notice and Wonder: Garden Size (Warm up)

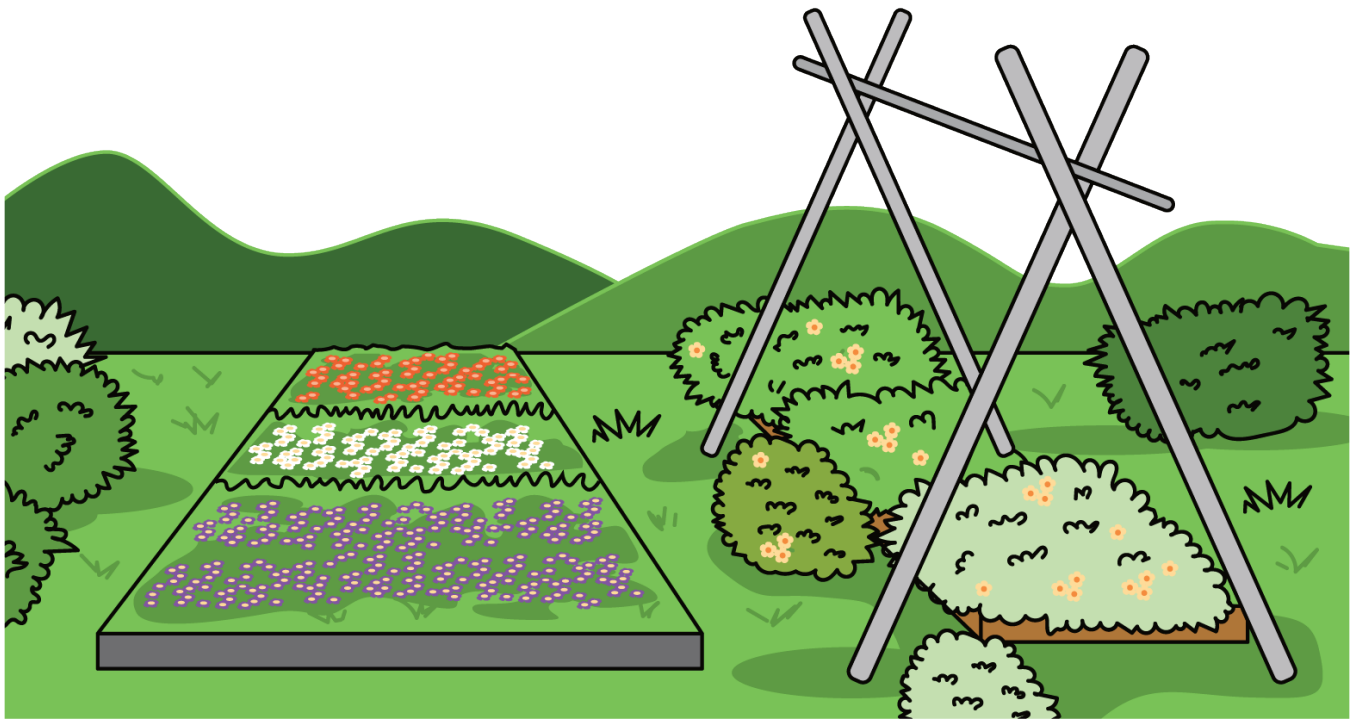
#### Student Task Statement

What do you notice? What do you wonder?

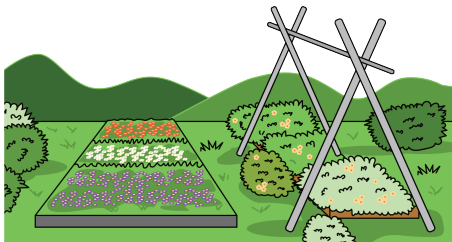


### 1 Priya's Garden

Images for Launch



### Student Task Statement



Priya has enough materials to build a garden that is 36 square feet.

Choose **all** the side lengths that are reasonable for her garden. Be prepared to explain your thinking to your partner.

1. 9 feet by  $4\frac{2}{3}$  feet
2. 9 feet by  $3\frac{8}{9}$  feet
3. 12 feet by  $2\frac{11}{12}$  feet
4. 9 feet by  $2\frac{2}{3}$  feet

### 2 Too High, Too Low, Just About Right

#### Student Task Statement

1. Write a whole number product that is slightly less than, slightly greater than, or about equal to the value

of  $7 \times 12\frac{8}{9}$ .

- a. slightly less:
- b. slightly greater:
- c. just right:

2. Write a whole number product that is slightly less than, slightly greater than, or about equal to the value of  $9 \times 4\frac{2}{29}$ .

- a. slightly less:
- b. slightly greater:
- c. just right:

3. Without calculating, use the numbers 2, 3, 5, 6, and 7, to complete the expression with a value close to 20.

$$\underline{\hspace{2cm}} \times \frac{\boxed{\hspace{1cm}}}{\boxed{\hspace{1cm}}}$$

4. Explain how you know your expression represents a value close to 20.