



Petals Multiple Choice

Grade 3

Place Value Concepts

2 levels

Probing Questions

- How do you know which picture matches the number?
- How can you prove that this is 10/100/1000?

What's Important Here?

This game introduces the visual representations for 1, 10, 100, and 1,000. This sets the foundation for the rest of the games.

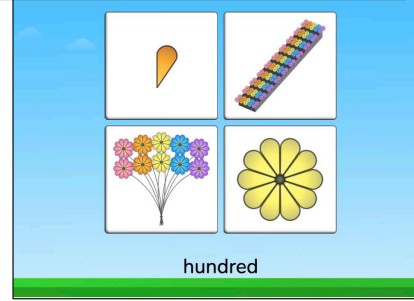
What Strategies Are Being Used?

Take advantage of the powerful visual model in your classroom discussions of place value.

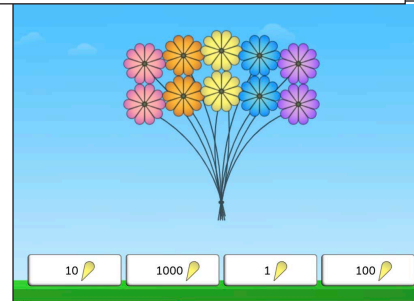
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Numbers are shown numerically and using words.



The notation of the petal as the unit is important and used in later games.



Place Value Concepts - 1



How Many Petals?

Grade 3

Place Value Concepts

4 levels

Probing Questions

- How do you know which column to use?
- How do you know which number to choose?
- How does this number match the petals shown below?

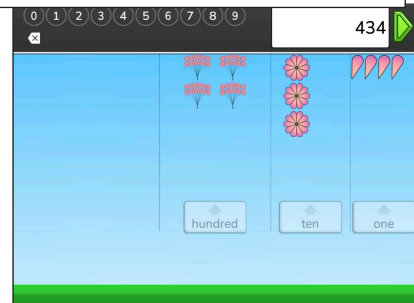
Something to Think About

While students can choose, for example, 500 by choosing only tens (or even ones), it is not the most efficient way to select the number. Watch for and facilitate students who are using less efficient strategies.

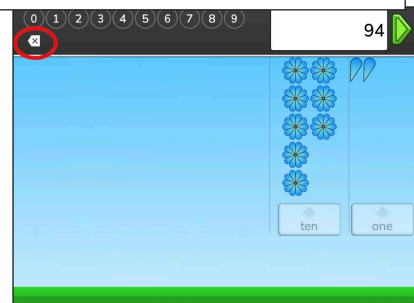
What's Important Here?

Students are translating the visual representation to the number. In the next game they have to represent the number using the visual.

The focus is on writing the number not creating it visually.



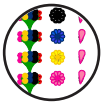
This back arrow allows students to change their answer without having to reset the puzzle.



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Place Value Concepts - 2



Petals Place Value

Grade 3

Place Value Concepts

2 levels

Probing Questions

- How do you know how many to select in this column?
What do the bouquets/flowers/petals represent?
- What does the 0 mean?

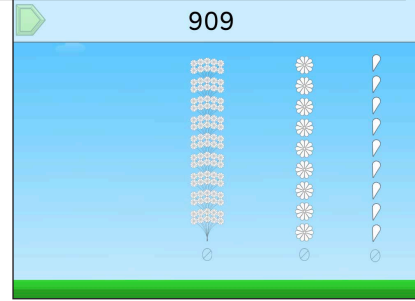
The Bigger Picture

The place value review in this objective assures that students have the foundation for rounding numbers in the next objective.

What's Important Here?

Level 3 helps students distinguish that it is the value, not the order of the columns, that matters.

Level 1 uses zero. Some students may not be familiar with the 0.



In level 2 the columns may not be in order.



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