



## Number Visuals Grade K

### Introduction

This gives students the opportunities to see numbers, to consider how numbers are made up, and to engage with numbers flexibly. Some students can also start to think about factors and multiples.

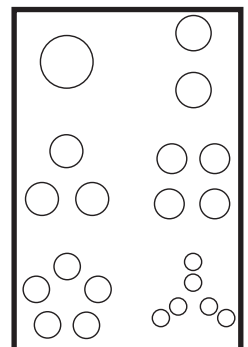
### Agenda

Activity	Time	Description/Prompt	Materials
Mindset Video	5 min	Play the mindset video	Mindset Video
Seeing Numbers Visually	5 min	Introduce the activity.	Number Visual Handout
Investigate	20 min	Ask students to explore the number visuals. What they notice, what do they wonder?	1 copy of the Number Visual handout for each student.
Class Discussion	5 min	Ask students to share and discuss their observations.	
Mindset Message Debrief	5 min	Debrief the mindset messages for this activity.	

### Activity:

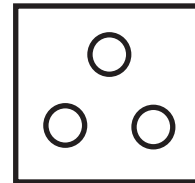
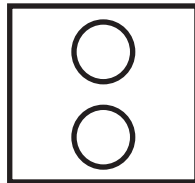
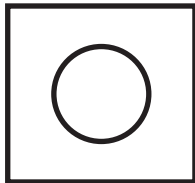
This activity helps students realize the different and creative ways we can express numbers. Students will discover patterns in the number visual design and see different ways of combining other numbers to make a number. Number flexibility is important for all students.

Give each student a copy of the number diagram.



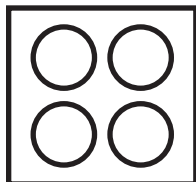


Introduce the activity by telling students that we sometimes write numbers like this, 1, 2, 3. Sometimes we show them like this,



Some numbers have other numbers inside of them.

For example, this number visual for 4 is made up of 4 single circles. But do you see a two inside of the four diagram?



Ask students to spend time with their numbers and show different numbers inside them with colors. For example, a student may show a 2 and a 1 inside 3, and show these with different colors. With a 4, they may see two 2's or a 3 and a 1. Giving students time with the visuals just to see and explore the numbers is important. They may need more than one copy of the numbers, so that they can show the different ways numbers can be broken down.

