



## Number Visuals Grades 1-2

### 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.



Ask the students to study the number visual patterns, at first on their own. What do they notice? What patterns do they see? After students have a few minutes to look for patterns on their own ask them to share what they notice with their group. Ask each group to share something that they see.

Ask students to write the number that each group represents on their paper, near the number visual. Tell students that there are different ways to express number. Some ways are very visual, like this sheet. Visual representations of number can help us see what makes up the number. For example, the number visual for 4 shows 4 individual circles. Can you also see the number 2 inside of 4? How many different ways can you see numbers inside of 4?

Ask students to explore the number visuals and record the different ways they see each number visual made up of other numbers. Ask students to share their discoveries with the class.

