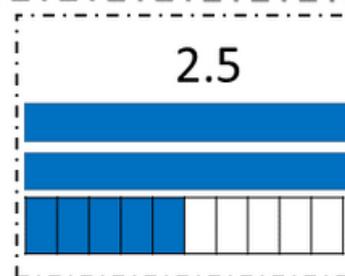
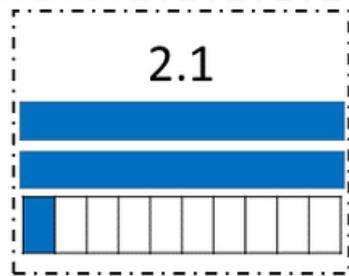
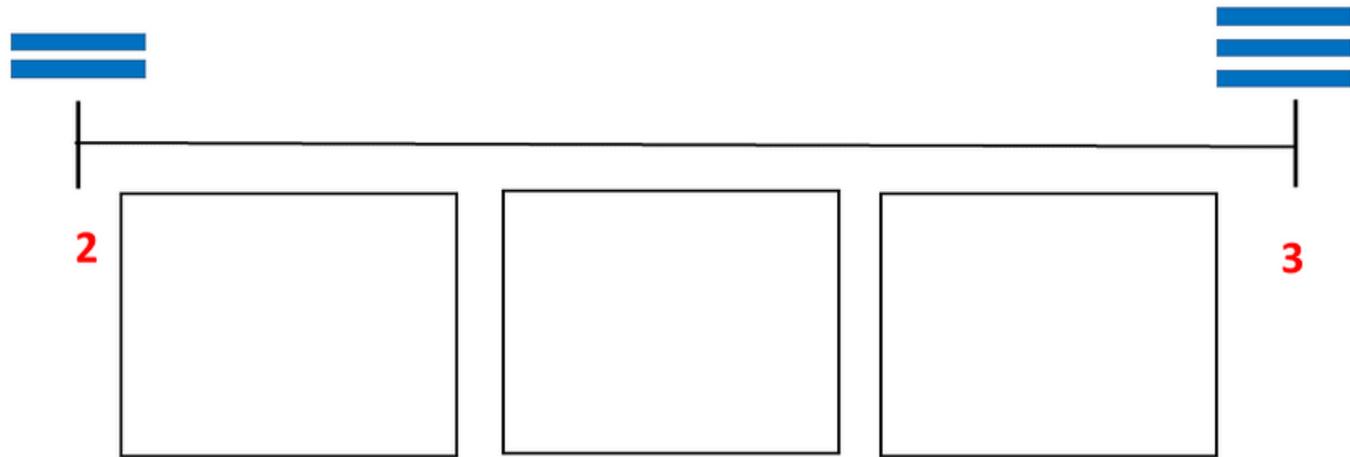


DECIMALS ON A NUMBER LINE

Name: _____

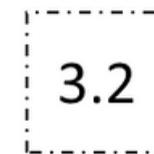
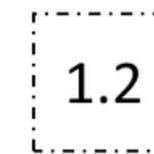
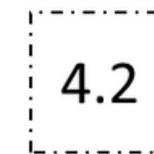
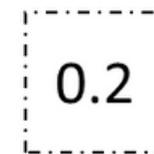
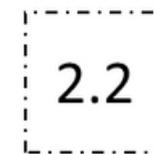
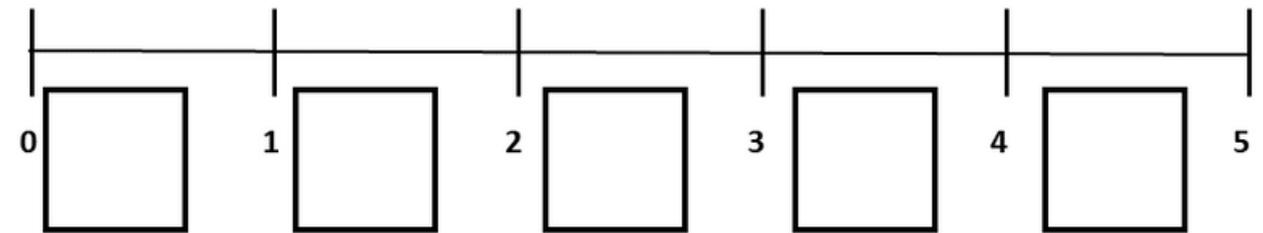
Cut out the numbers below and place them in the correct boxes below the number line.



Christa Joy, Special Needs for Special Kids

Name: _____

Cut out the numbers below and place them in the correct boxes below the number line.



©Christa Joy, SNSK



INCLUDES GOOGLE SLIDES



These worksheets are perfect for students who:

- Has an intellectual disability*
- is an early or non-reader*
- lacks prerequisite skills*
- benefits from picture support*
- takes alternative assessments*

This unit is meant as an introduction to the idea that decimals are numbers and have a specific value.

This is done by having students draw decimals using fraction bars.

And, placing numbers on a number line.

Table of Contents

Pages	Activity
4-10	Group activity 1
11-15	Group activity 2
16-21	Identify decimals as numbers
22-28	Picture representations of decimals
29-35	Placing decimals on a numbers line set 1
36-49	Placing decimals on a numbers line set 2
50-54	Quiz
55-56	Terms of Use

Also included in this resource as separate files:

- Lesson plans
- Links and directions to digital activities
- PowerPoint **(this is the book in the lesson plan)**
- Voice recorded PowerPoint
- Activities in black and white

This unit contains **10 days** of material that is in both printable and digital formats. I have included a detailed lesson plan to help you make the most of everything in this unit including daily group and individual activities.

It comes in 2 separate files. One in color and one in black and white.

Day 6

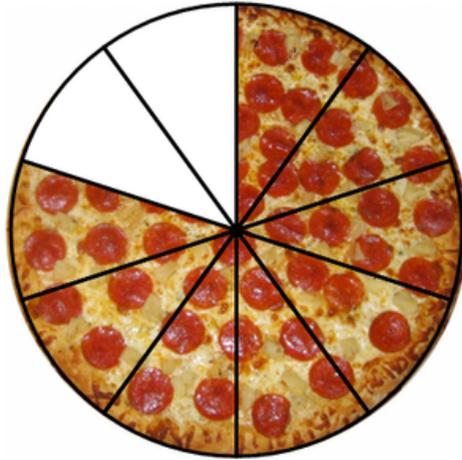
Activity	Notes	Materials
Read or listen to the movie version of the book (10 minutes)	<ul style="list-style-type: none">• Read through the story, asking lots of questions• Continue to make connections between book and previous knowledge	<ul style="list-style-type: none">• Book• Vocabulary board
Group Activity 2 Drawing a decimal on the number line	<ul style="list-style-type: none">• Using the cards from Group activity 1, students will draw a decimal's location on the number line.• See activity for complete instructions and suggestions	<ul style="list-style-type: none">• Decimal cards• Number lines (printed and laminated)• Dry erase markers
Number line worksheet review (5 minutes)	<ul style="list-style-type: none">• Review the worksheets from day 5	<ul style="list-style-type: none">• Completed worksheet
Placing decimals on a number line (15 minutes)	<ul style="list-style-type: none">• Finish any remaining worksheets in this set<ul style="list-style-type: none">◦ Students will cut out the numbers with picture representations and place them on the number line.• Add color-coding if needed for more support.	<ul style="list-style-type: none">• Worksheet• Scissors• Glue
Sharing (10 minutes)	<ul style="list-style-type: none">• Each student shares their finished worksheet with the group using the communication method of their choice	<ul style="list-style-type: none">• Completed worksheets• Communication devices

10 days

The lesson plans contain:

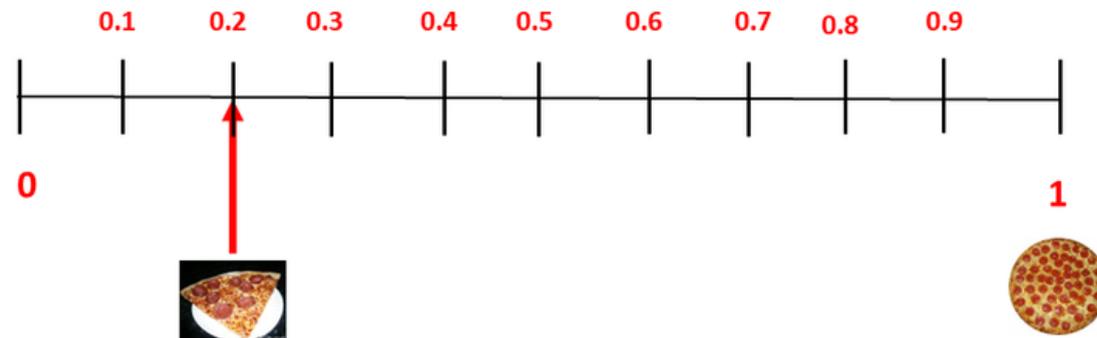
- Overall tips for teaching students with significant needs
- A quick look at what you will do each day
- Detailed instructions on how that day's lesson should run

If you eat **0.2** of the pizza, that means you eat **2** of the **10** slices.



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0.2 would go right here on the number line.



You have more than no pizza but less than 1 whole pizza.

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There is a 25 page book with this unit using simple text and photos.

It comes in a PowerPoint version as well as a voice-recorded movie (mp4).

Group Activity 1: Human Number Line

- Students will practice putting decimals in order by physically forming a number line.
- Preparation
 - Print one the number cards on card stock and laminate
 - Alternative: write the numbers on large pieces of paper or large index cards
 - Place a piece of masking tape on the floor for students to line up on
 - Mark whole number on tape depending on group of cards being used.
 - Suggestions: 0 – 1, 0 – 2, 0 – 3, 1 - 2, 1 – 3, 2 - 3
- Hand out cards and have students get in correct order on the number line (piece of masking tape)
- Students will hold number in front of them
- Choose a student to name out the numbers on the number line
- Variations:
 - Change the length of the number line
 - Change the distance between the cards

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0	0.1
0.2	0.3
0.4	0.5

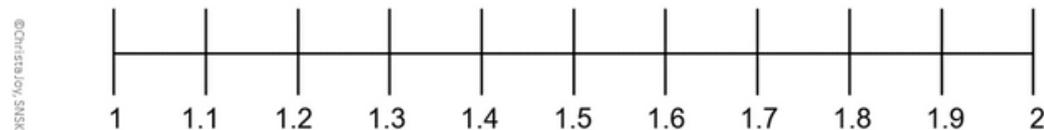
©ChristaJoy, SNSK

Students will practice making a human number line using decimal cards.

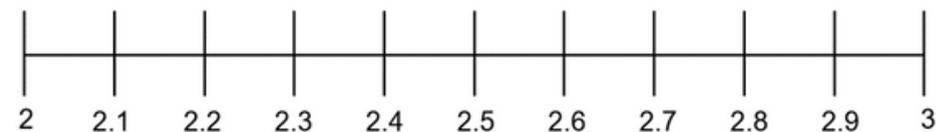
Group activity #2

Group Activity 2: Large Number Line

- Students will practice drawing dots on a large number line showing a decimal location
- Preparation
 - Print out a number line for each student
 - There are several variations depending on how many marks are on the number line
 - There are also blank ones you can write on yourself
 - Laminate
- Use the cards in group activity 1
- Place cards in a stack in the middle of the table upside down.
- Draw a card and draw a dot indicating the location on the number line



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Students will practice drawing decimals on large number lines as a group.

There are 4 worksheet sets in this unit that scaffold skills needed for understanding the placement of decimals on a number line.

- Identify the parts (whole and part) of a decimal
- Draw decimals
- Place decimals on a number line that includes a picture representation of the decimal
- Place decimals on number line

Name: _____

Circle the numbers that represent whole numbers and put a square around those numbers that are **part** of a whole.

13.4

8.2

25.1

46

0.9

62.7

worksheet set 1

There are 5 worksheets for students to identify the whole number and part of a whole number in a decimal.

Name: _____

Color in the shapes to represent the value of the number.

3.4

2.8

4.1

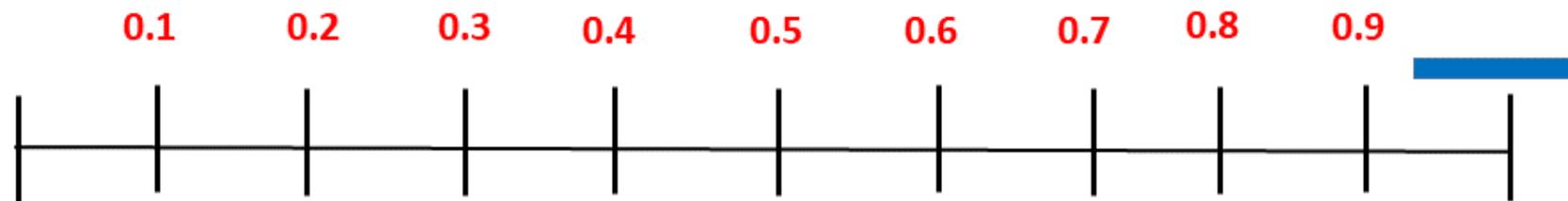
worksheet set 2

There are 6 worksheets for students to draw/color in a decimal using fraction bars.

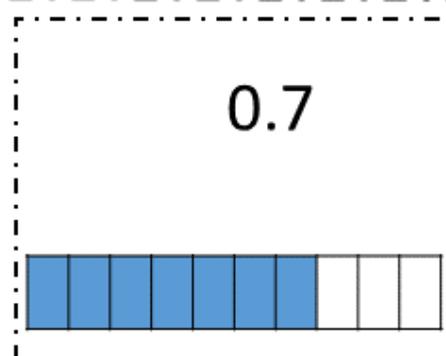
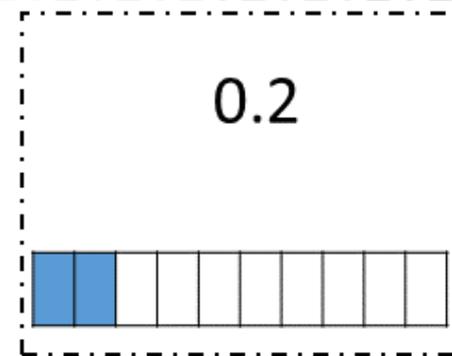
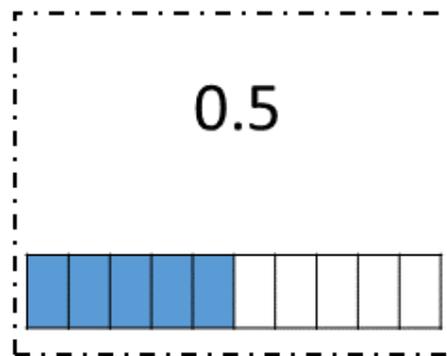
worksheet set 3

Name: _____

Cut out the numbers below and place them in the correct boxes below the number line.



0 1

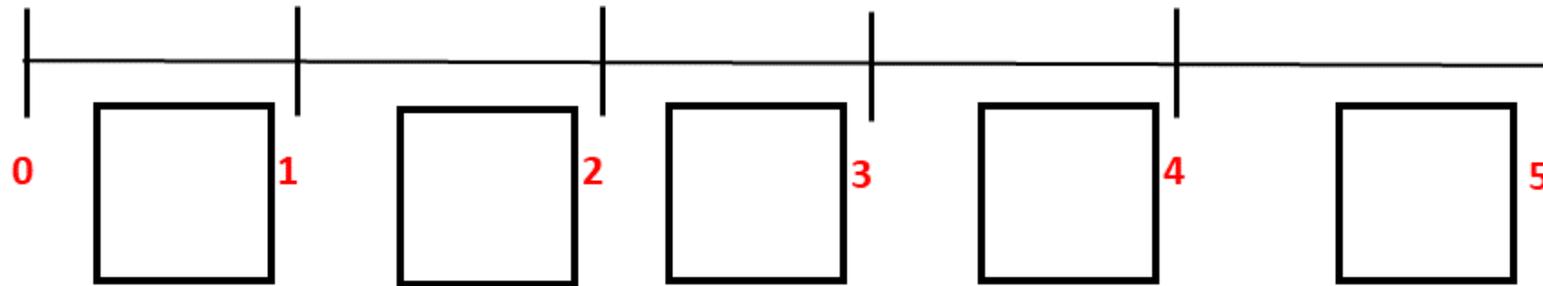


There are 6 worksheets for students to draw a certain number separating groups of 10 and any left over.

worksheet set 4

Name: _____

Cut out the numbers below and place them in the correct boxes below the number line.



4.8 1.8 2.8 0.8 3.8

There are 13 worksheets for students to complete place decimals on a number line.

Decimal Quiz

1. Circle the numbers that represent whole numbers and put a square around those numbers that are part of a whole for each number below.

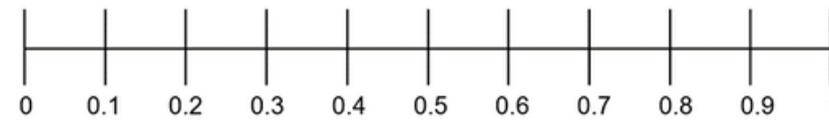
3.4	1.8	2.6
-----	-----	-----

2. Color in the shapes to represent the value of the number 2.8.

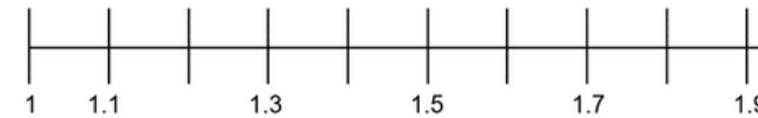
3. Color in the shapes to represent the value of the number 1.6

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4. Draw 0.8 on the number line.



5. Draw 1.8 on the number line.



6. Draw 2.2 on the number line.



7. Draw 0.3 on the number line.

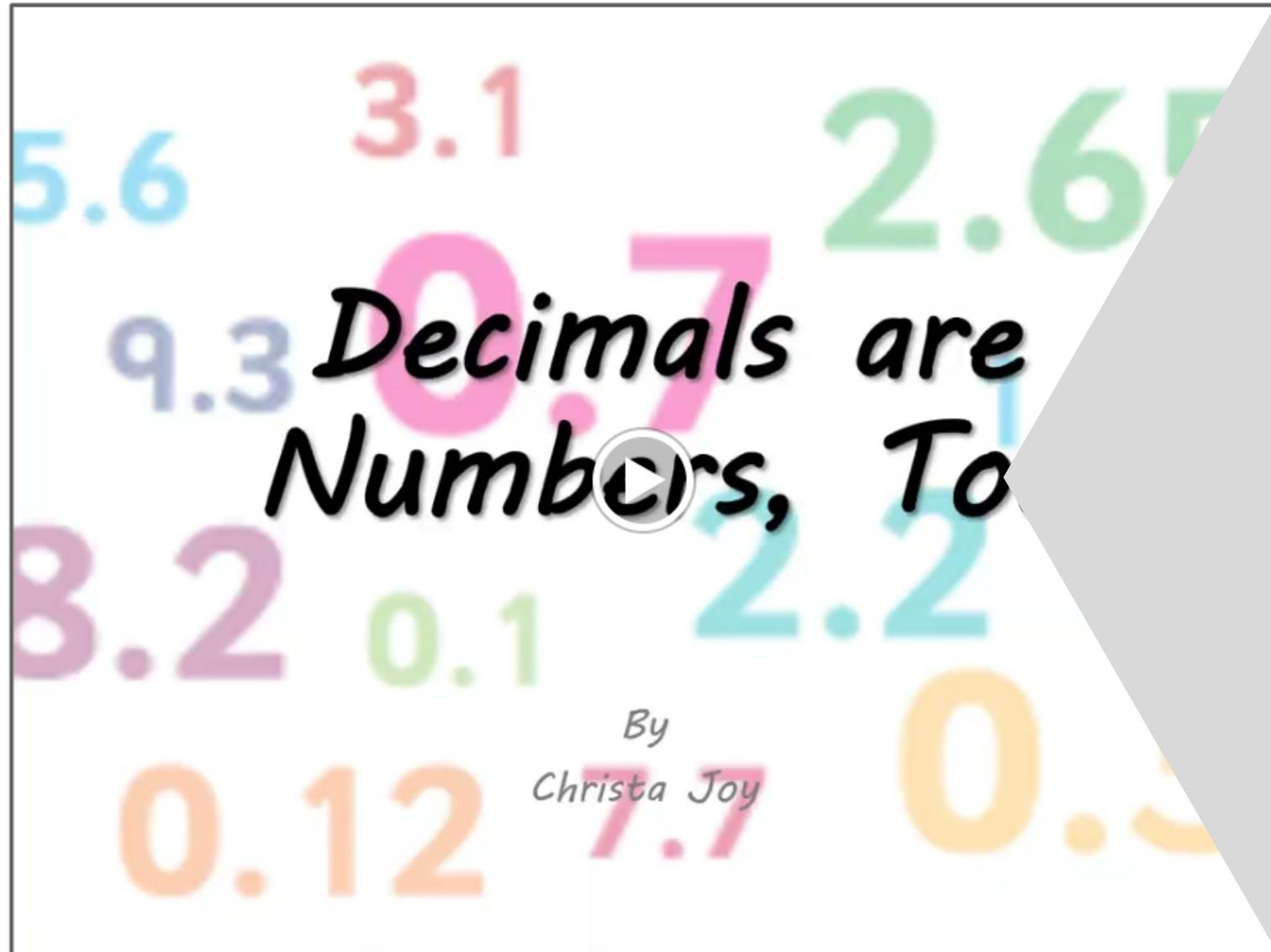


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There is a quiz to assess understanding.

This is also used as the pre-assessment to measure growth.

Watch the movie on decimals.



There are also digital versions of the printable activities included in this unit. There is a movie version of the book that is narrated.

Great for review

3.1

0.5

--	--	--	--	--	--	--	--	--	--	--	--

3.7

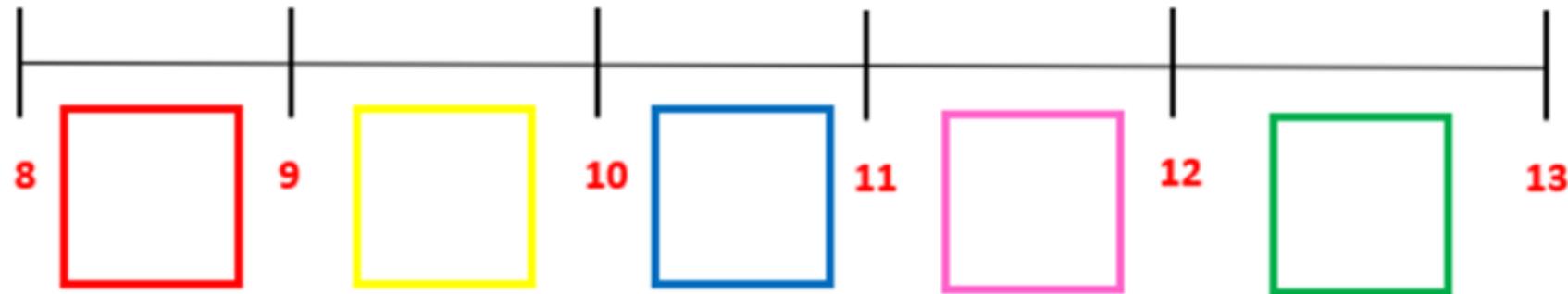
Color in the shapes to represent the value of the number.



There is a set of slides for each learning level.

All digital activities are click and drag.

Perfect for all learning levels.



Place the numbers in the correct boxes below the number line.



In this set of slides, there is additional visual support included like color-coding (shown here.)

This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- **Decimal activities in color**
- **Decimal activities in black and white**
- **Voice-recorded PowerPoint shows**
- **Decimals are Numbers, Too book (PowerPoint) to use with activities**
- **Links and directions to digital activities**