

PLACE VALUE

Look at each set of Base 10 blocks, and complete the chart.

worksheet set 4

Base 10 Blocks	Hundreds	Tens	Ones	Number

ChristaJoy, Special Needs for Special Kids
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215		
hundreds	tens	ones
2	1	5
200 +	10 +	5



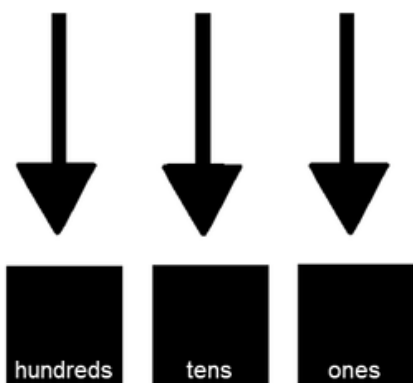
INCLUDES GOOGLE SLIDES



This unit was created with this guy in mind. He has autism and an intellectual disability. He is a non-reader, can count to 20, but still struggles with a most basic math skills. With some support he is able to do this unit and enjoys the challenge. He is my tester!!

Place Value Unit

By
Christa Joy
Special Needs for Special Kids



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Also included in this resource as separate files:

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

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This unit contains 11 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.

Place value Lesson Plan

Preparation

- Print out a vocabulary board for each student to use throughout unit
 - Laminate or place in page protector
- Book
 - Print out, laminate, and bind
 - OR your students can listen to the pre
- Group activities
 - Each group activity has materials to pr
 - Print necessary materials onto cardsto
- Base ten flash cards
 - Print on cardstock and laminate
 - May want several copies
- Base ten blocks
 - You will want to have access to these
 - If you do not have these, you can sub

Preassessment (do day 1 before starting lesson)

- Use the quiz as the preassessment
- I cannot emphasize enough how important t preassessment is so important!!

Teaching Tips

1. *Color Coding:* this is a really easy way to ad Outline or color in an empty box or sorting l picture symbols the same colors. Becomes a
 - a. For more info, read more here: <https://specialneedsforspecialkids.org/differentiation/>
 - b. I also have a blog post on differentiat <https://specialneedsforspecialkids.org/easily-and-effectively/>
2. *Make you own copies of the activities:* Even For that reason:
 - a. I often complete the activity myself ar could use year after year.

Quick Look

Day	Activity	Day	Activity
1	<ul style="list-style-type: none"> • Book • Group activity 1 • Identify groups of 10 	6	<ul style="list-style-type: none"> • Book • Group activity 2 • Place value chart: pictures
		7	<ul style="list-style-type: none"> • Book • Group activity 3 • Place value chart: form
		8	<ul style="list-style-type: none"> • Book • Group activ • Place valu forms
		9	<ul style="list-style-type: none"> • Book • Gr • F
		10	<ul style="list-style-type: none"> • •
		11	<ul style="list-style-type: none"> • Q

Day 5

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 vocabulary board 	<ul style="list-style-type: none"> • Book • Vocabulary board
Group Activity 2 Building numbers using Base 10 blocks or flashcards	<ul style="list-style-type: none"> • Students will build a number using either base 10 blocks or the flashcards • Options <ul style="list-style-type: none"> ◦ Write a number on the board and have students build the numbers and fill in the rest of the place value chart • OR, give students a set of blocks or flashcards to position on the chart and then fill out the chart and record the final number 	<ul style="list-style-type: none"> • Large place value charts • Base 10 blocks • Or flashcards • Dry erase markers
Drawing numbers worksheet review (5 minutes)	<ul style="list-style-type: none"> • Review the worksheets from set 3 completed yesterday 	<ul style="list-style-type: none"> • Completed worksheet
Place value chart with pictures (15 minutes)	<ul style="list-style-type: none"> • Worksheet set 4 <ul style="list-style-type: none"> ◦ There are 5 worksheets in this set to do over the course of today and tomorrow ◦ Students will look at a set of base ten blocks drawn and determine the number of hundreds, tens, and ones ◦ Students will then write the final number 	<ul style="list-style-type: none"> • Worksheet • pencils
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

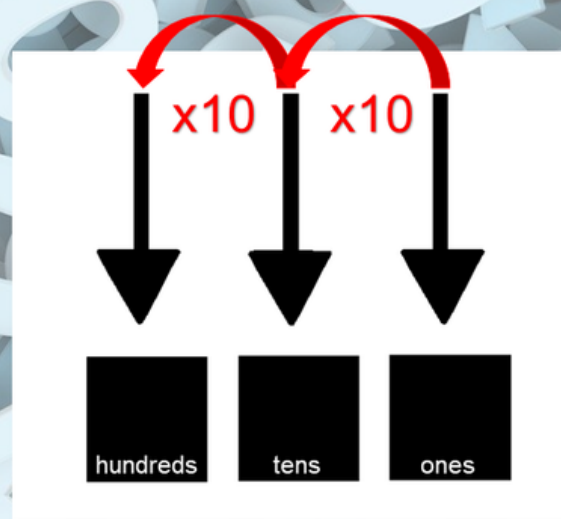
NOTE: As an option to the group activity for today, look at the flashcards included in the unit for games you can play using them in a small group setting.

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

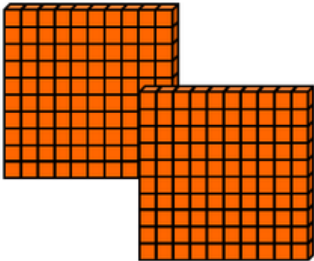

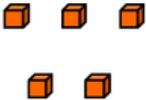
127 +

You may notice that each time you move to the next place value, you multiply by a factor of 10.



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The last step is writing a number in what is called an expanded form. This will help you even better understand the values that make up the number. We add the plus sign to show how 215 is made up of 2 hundreds, 1 ten, and 5 ones.

215		
hundreds	tens	ones
2	1	5
200 +	10 +	5
		

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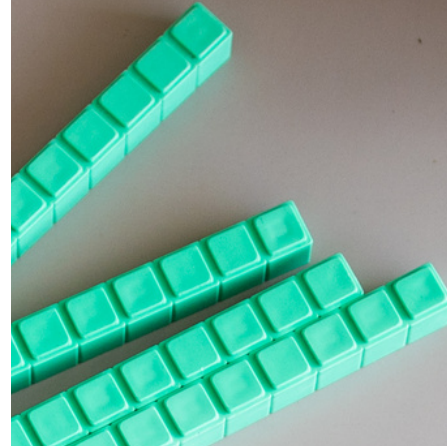
There is a 28 page book with this unit using simple text and photos.

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

Group activity #1

Practice making and counting groups of 10

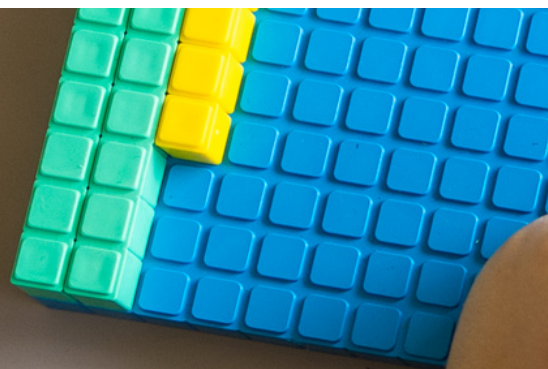
- Print one counting mat for each student and laminate.
- Give student:
 - Counting mat
 - Objects to count
 - Dry erase marker
- Have students count out as many complete groups of 10 as they can.
- Place the extras in the rectangle.
- Record the total in the place value chart at the bottom.
- You can also practice the exchange principal and have students swap out their 10 ones for a 10 stick before recording the total.

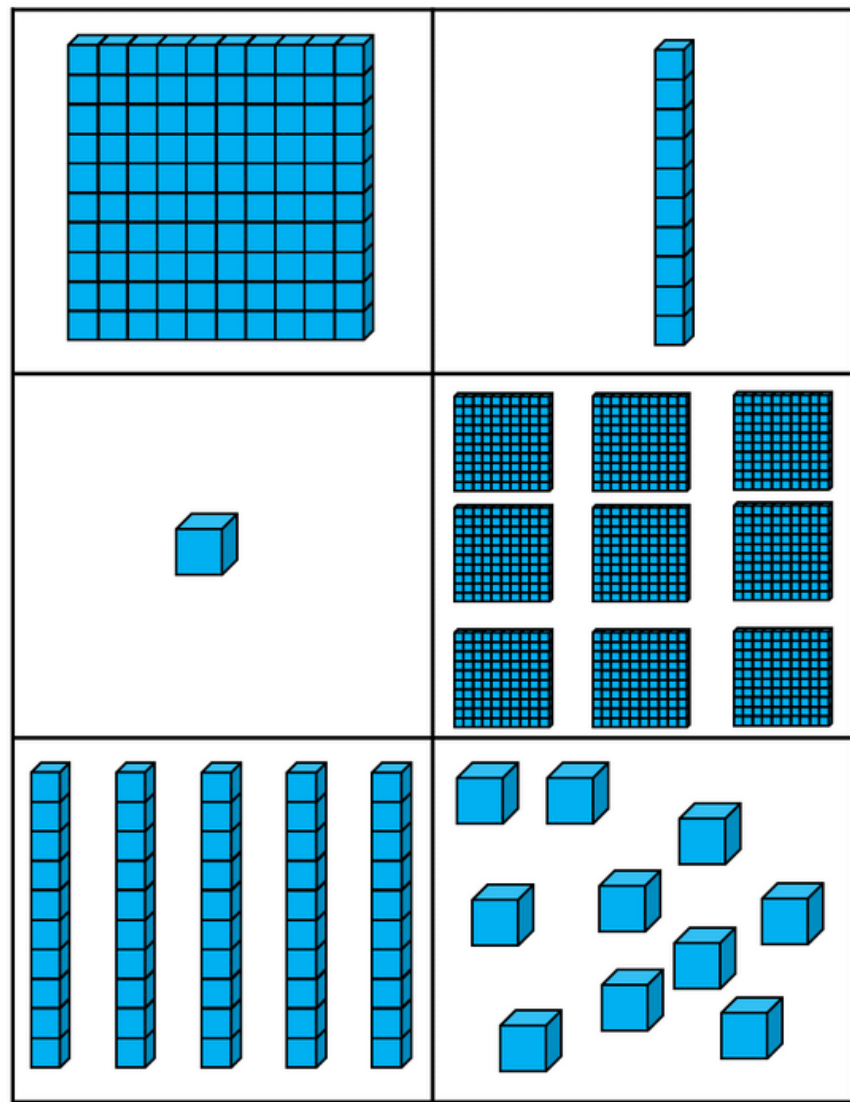


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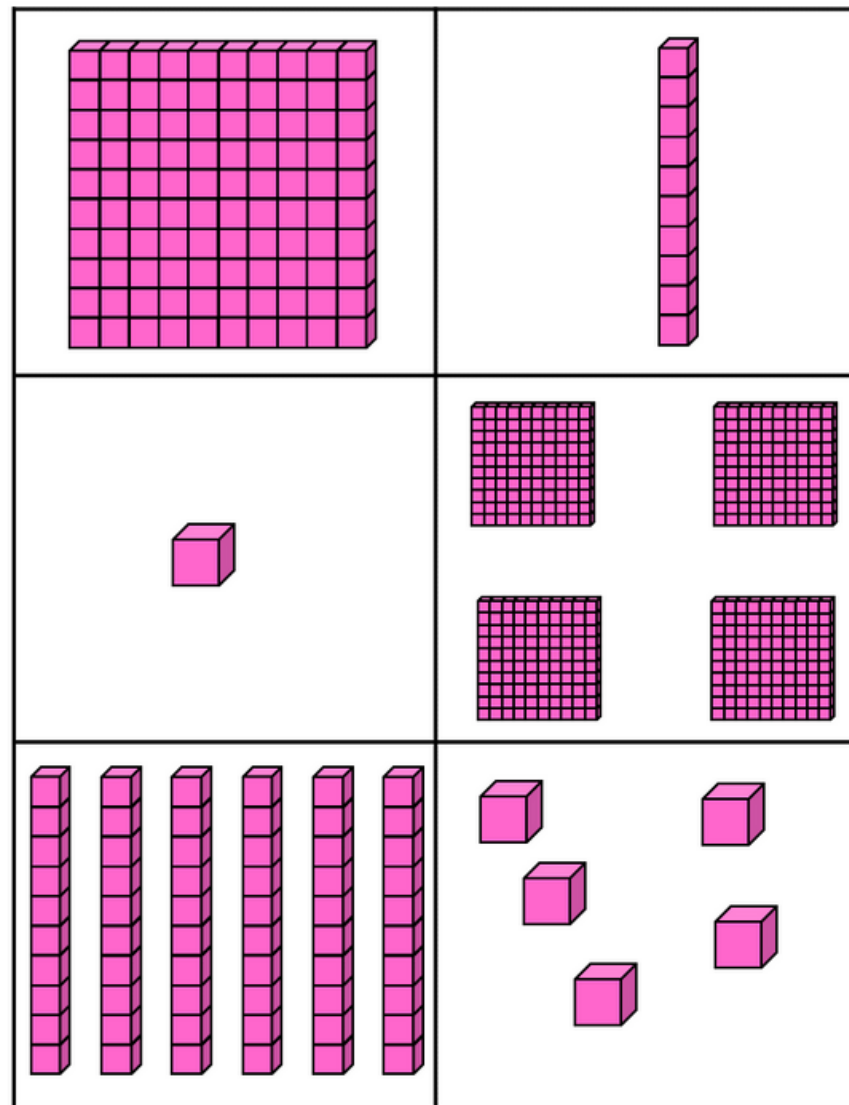
tens ○	ones □

Students will practice making groups of 10 with objects.





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There are 7 pages of flashcards you can use if you do not have Base 10 blocks.

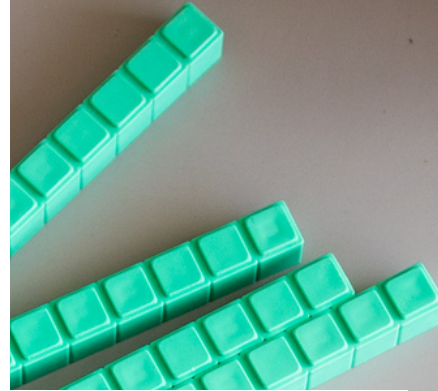
Suggestions for additional group activities included.

7 + 5 = 12

Group activity #2

Building a number

- Print one place value chart for each student and laminate.
- Give student:
 - Place value chart
 - 100 flats, 10 sticks, 1 units
 - or use flashcards
 - Dry erase marker
- Write a number on the board.
- Students will build the number on their mat.
- Record the totals in the place value chart at the bottom.



hundreds	tens	ones

Final number:

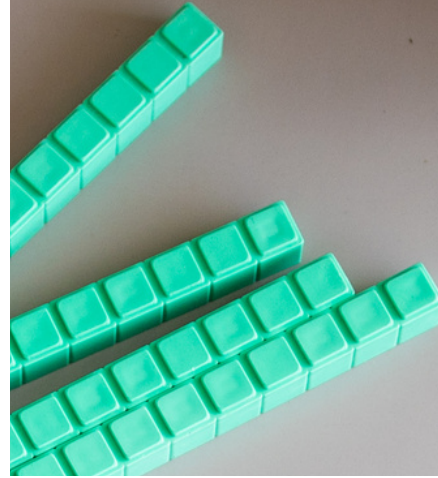
Students will practice building a number using Base 10 blocks or flashcards.

Handwritten math problem on a piece of paper: $27 + 5 =$

Group activity #3

Expanded form

- Print one place value chart for each student and laminate.
- Give student:
 - Place value chart
 - 100 flats, 10 sticks, 1 units
 - or use flashcards
 - Dry erase marker
- Write a number on the board.
- Students will build the number on their mat.
- They will then practice writing it in expanded form (be sure to add the + sign)
- Record the totals in the place value chart at the bottom.



hundreds	tens	ones

Final number:

Students will practice identifying skip counting sequences as a group on hundred boards.

A piece of white paper with a handwritten math problem in blue ink. The problem is $7 + 5 =$. The numbers and the plus sign are written in a simple, child-like style.

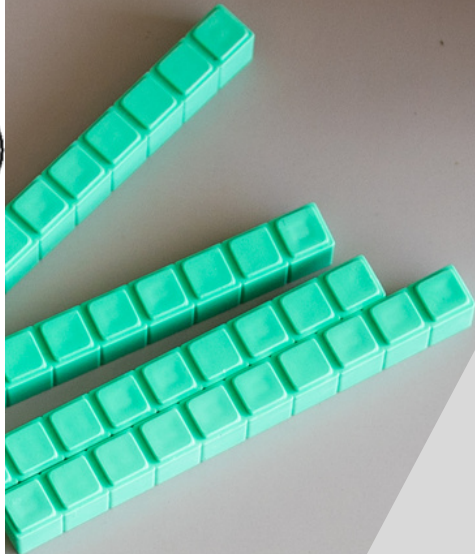
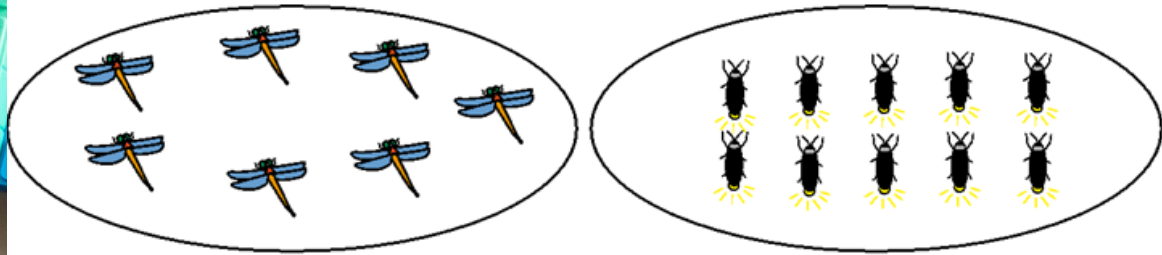
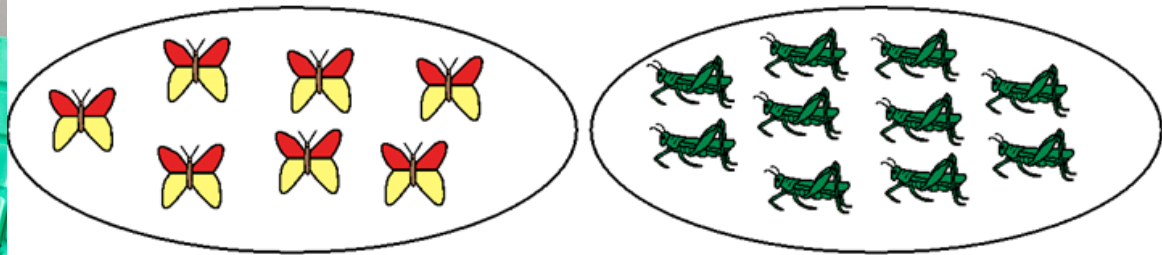
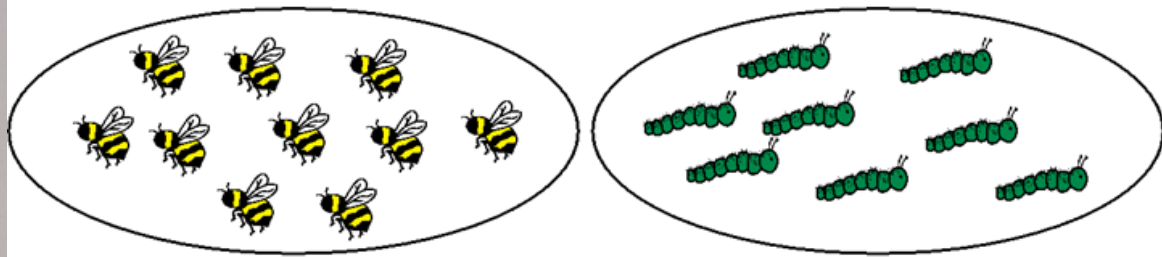


There are 6 worksheet sets in this unit that scaffold skills needed for place value.

- Identify sets of 10
- Circle groups of 10
- Draw a number
- Place value chart with pictures
- Place value chart with expanded form
- Place value chart all forms

worksheet set 1

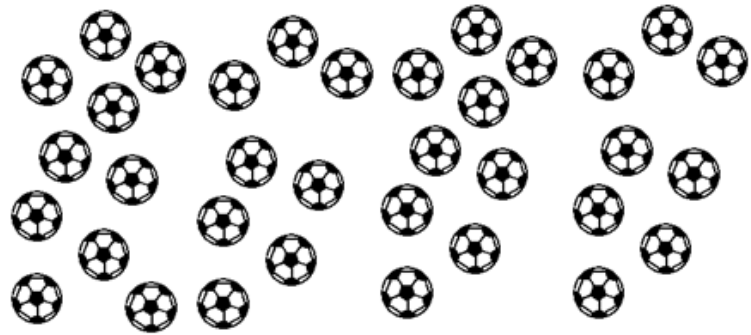
Color in the groups that contain exactly 10.



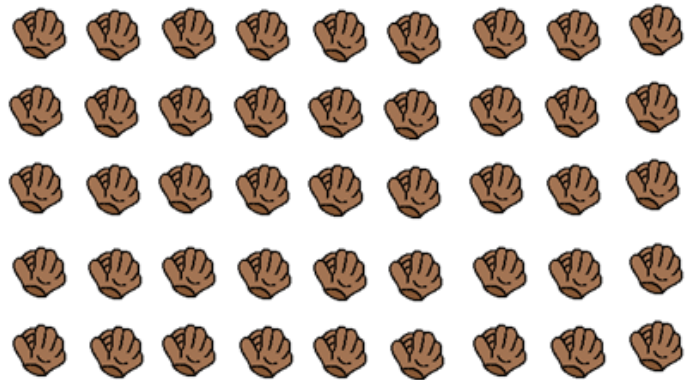
There are 2 worksheets for students to identify groups that have exactly 10. They come in color and black and white.



In each group, circle sets of 10. Record the total number of sets and how many were left over.



groups of 10	left over



groups of 10	left over



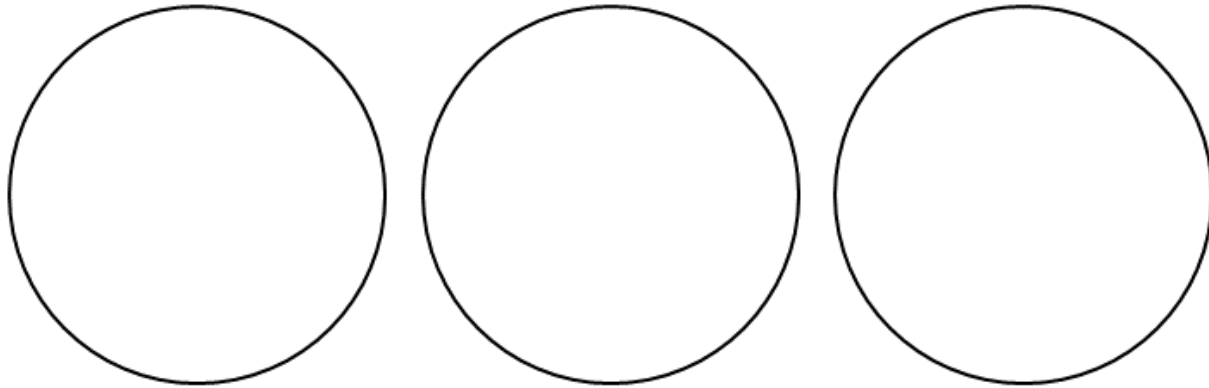
groups of 10	left over

worksheet set 2

There are 5 worksheets for students to circle groups of 10 and record the total. They come in color and black and white.

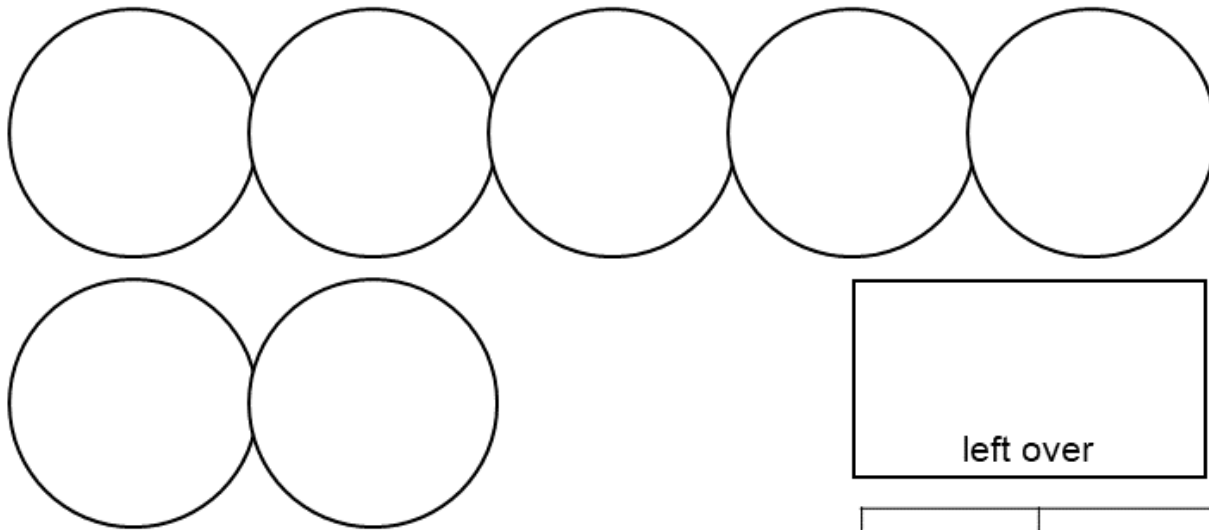
127

Draw the correct sets of 10 and left overs if any. Use dots or lines when drawing the groups of 10.



left over

groups of 10	left over
3	1



left over

groups of 10	left over
7	5

worksheet set 3

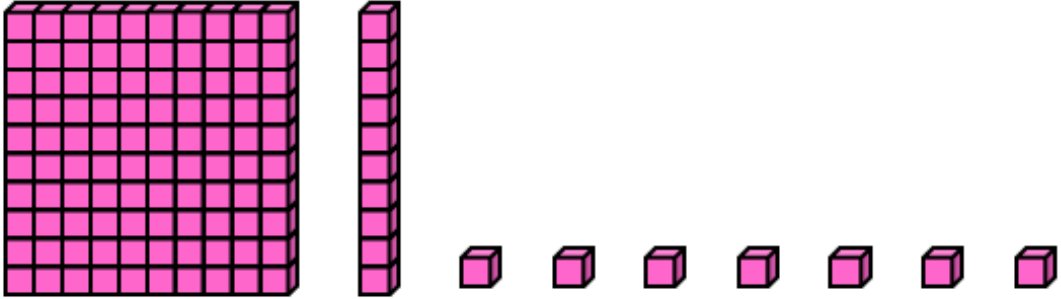
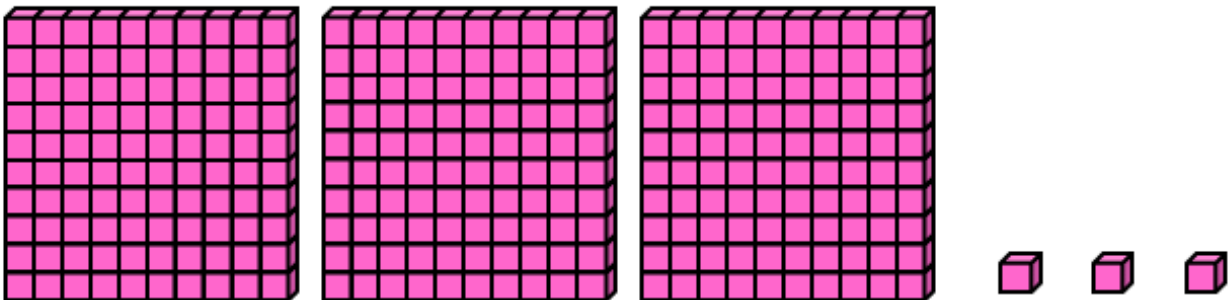
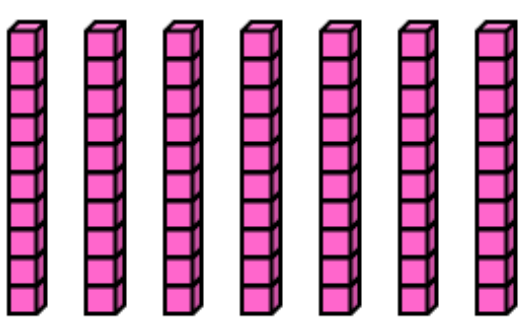
There are 5 worksheets for students to draw a certain number separating groups of 10 and any left over.

127

worksheet set 4

Look at each set of Base 10 blocks, and complete the chart.

worksheet set 4

Base 10 Blocks	Hundreds	Tens	Ones	Number
				
				
				

There are 5 worksheets for students to complete a place value chart that has base 10 blocks in it.

Write the following numbers in standard and expanded form.

116

	Hundreds	Tens	Ones
Standard Form			
Expanded Form			

975

	Hundreds	Tens	Ones
Standard Form			
Expanded Form			

354

	Hundreds	Tens	Ones
Standard Form			
Expanded Form			

worksheet set 5

There are 5 worksheets for students to complete a place value chart with the standard and expanded forms of the number.

127

Complete the place value chart for each number.

Use a for hundreds, | for tens and a dot for ones.

324

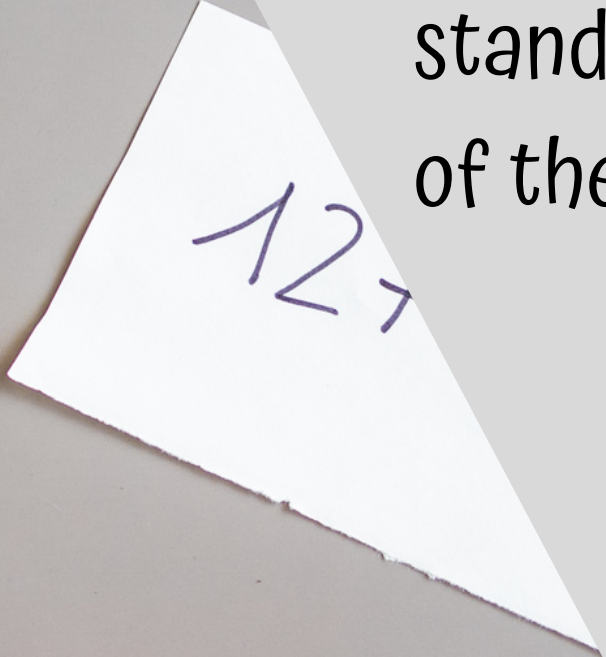
	Hundreds	Tens	Ones
Draw			
Standard Form			
Expanded Form			

409

	Hundreds	Tens	Ones
Draw			
Standard Form			
Expanded Form			

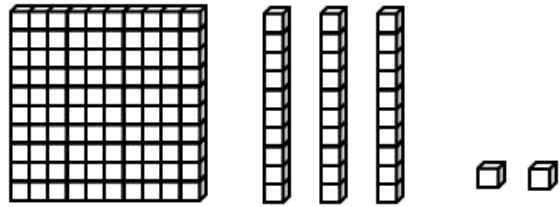
worksheet set 6

There are 5 worksheets for students to complete a place value chart with the picture, standard and expanded forms of the number.

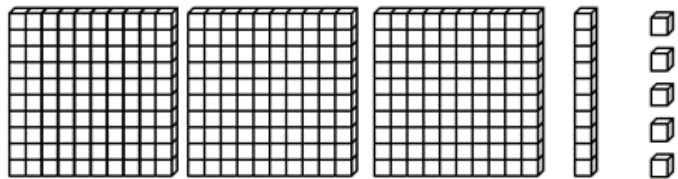


Place Value Quiz

1. What is the value of these Base 10 blocks?



2. What is the value of these Base 10 blocks?



3. How many tens are in the number **985**?

4. How many hundreds are in the number **467**?

5. How many ones are in the number **450**?

There is a 7 question quiz to assess understanding.

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

127 +

Place Value



By
Christa
Joy

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

Great for review



groups of 10	left over
<input type="text"/>	<input type="text"/>



groups of 10	left over
<input type="text"/>	<input type="text"/>



groups of 10	left over
<input type="text"/>	<input type="text"/>

worksheet set 2

1. Use the colored dots to cover up the sets of 10.
2. To keep track, use a different color for each set of 10.
3. Count the sets of 10 and those left over.
4. Type in correct numbers in the blue boxes.



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There is a set of slides for each learning level.

In this first set of slides, students type in their answers for some of the slides.

Perfect for all learning levels.




853

	Hundreds	Tens	Ones
Draw			
Standard Form	8	5	3
Expanded Form	800+	50+	3

190

	Hundreds	Tens	Ones
Draw			
Standard Form	1	9	0
Expanded Form	100+	90+	

worksheet set 6

1. Look at the number.
2. Draw the number using the shapes below.
 -  for hundreds
 -  for tens
 -  for ones
3. Fill in the values for the standard form.
4. Fill in the values for the expanded form

100+

5

800+

50+

90+

9

0

1

3

3

8

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In this set of slides, students will click and drag answers.

There is additional visual support included (gray numbers to match to.)

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

- **Place value activities in color**
- **Place value activities in black and white**
- **Voice-recorded PowerPoint shows**
- **Place value book (PowerPoint) to use with activities**
- **Links and directions to digital activities**



127 + 43