



# Instant Intervention

## Counting by Tens: Level A - D

### Level A

Level A: Activity 1  
Pg. 2

Level A: Activity 2  
Pg. 3

Level A: Activity 3  
Pg. 4

Level A: Activity 4  
Pg. 5

### Level B

Level B: Activity 1  
Pg. 6

Level B: Activity 2  
Pg. 8

Level B: Activity 3  
Pg. 10

Level B: Activity 4  
Pg. 11

Level B: Activity 5  
Pg. 12

### Level C

Level C: Activity 1  
Pg. 14

Level C: Activity 2  
Pg. 16

Level C: Activity 2  
Pg. 18

### Level D

Level D: Activity 1  
Pg 19.

Level D: Activity 2  
Pg. 22

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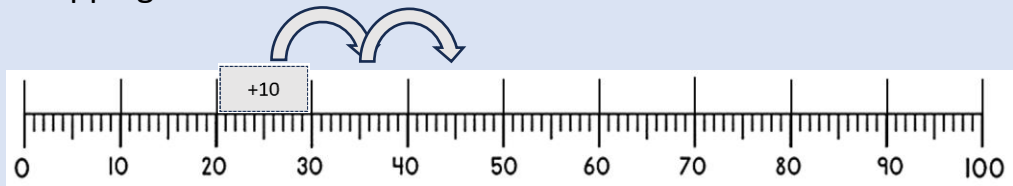
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Additional Materials

## Lesson

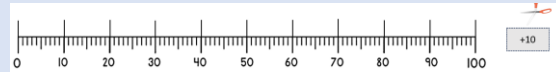
Have the student first count to 100 by ones, emphasizing how long this takes. Then count to 100 by tens and see how fast it was. When counting by tens, we are skipping the non-decade numbers, but those numbers are still there; we just don't say them. On the number line, practice counting by tens starting from zero and going up to one hundred.

As the student moves from one decade to the next, make them realize that they are skipping ten numbers with every count by ten. When counting by tens on the number line, add a +10 spacer with each count so they understand they are skipping numbers as well.



## Materials Click Here

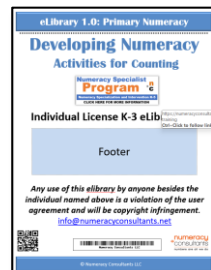
### Number line and 10 Spacer



### Student Practice:



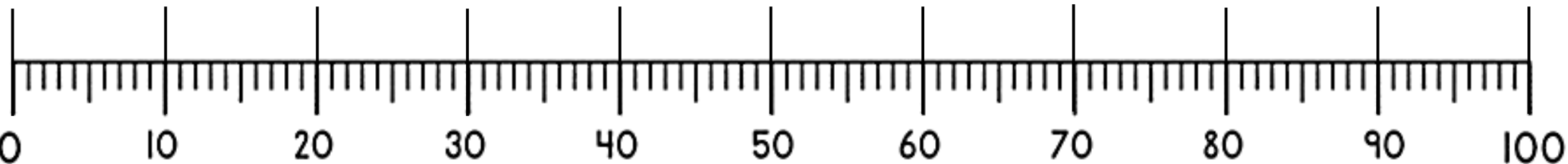
2.0 Counting  
Pg. 145-146



1.0 Counting  
pg. 47-48

Click link above for materials

cut



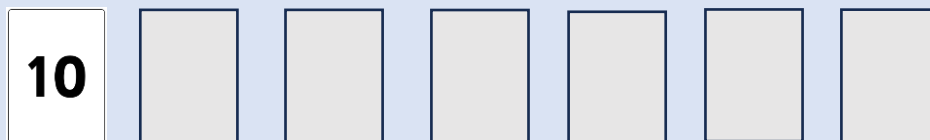
+10



## Lesson

If you do not have a set of number cards up to 100 from the materials section of this lesson, click on 'click here,' and it will provide you with number cards up to 100. Print and cut out the cards. Take out the zero and all of the decade cards. Place the zero card face up and have all of the other decade cards face down. Ask the student what number comes next from zero. Once the student has shown they can do this, practice doing it backward as well.

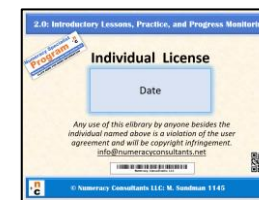
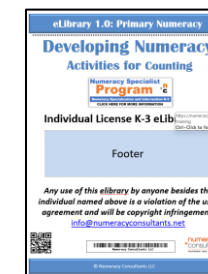
If students are doing well, start the counting at different numbers. For example, instead of starting at zero, place the 30 card and ask the student to count by tens starting at 30, then 50, and so on."

[Materials Click Here](#)

Number Cards:



## Student Practice:

2.0 Counting  
Pg. 145-1461.0 Counting  
pg. 47-48

cut

Click link above for materials



## Lesson

Pass out a calculator to the student or students. Press the plus button twice (+, +), then press 10 and the calculator will turn into a counting-by- tens machine. Have the student say the number out loud each time as they press the equal sign to go to the next number.

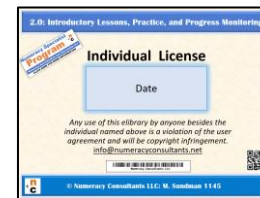
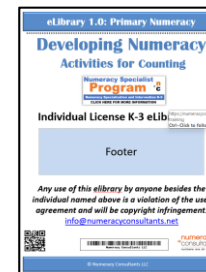
To practice backward counting, press 100, minus twice (-, -), 10,, , and then hit the equal sign. The calculator will now count down by tens. Have the student say each number out loud as they press the equal sign to go to the next number.

## Materials

Calculator



## Student Practice:

2.0 Counting  
Pg. 145-1461.0 Counting  
pg. 47-48

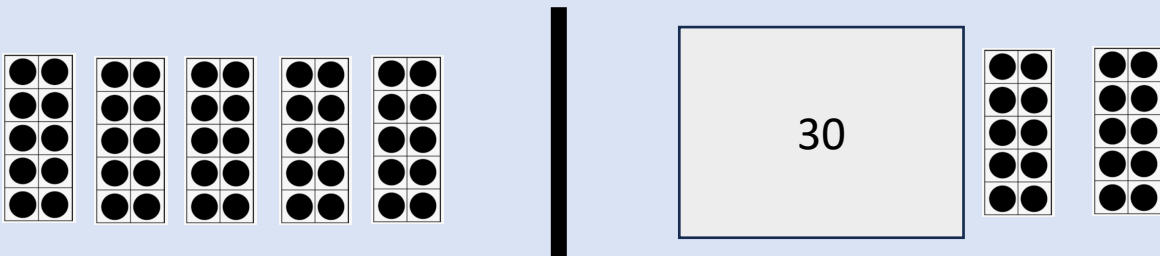
No Additional Materials Needed



## Lesson

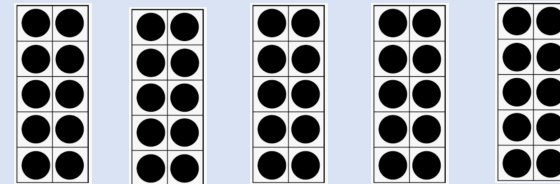
Cut out the 10 frames and place a different number of ten frames in front of the student. Have them count the ten frames. Put different quantities in front of them and have them count.

If the student shows a strong mastery of the skill, take some ten frames and place them under a piece of paper. Tell the student there are 30 under the paper, then place a few more where the student can see. See if they can count by tens starting at the screen number instead of going back to one.

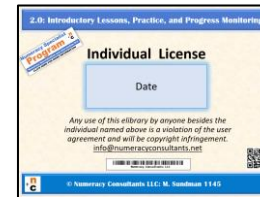


## Materials Click Here

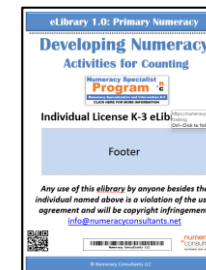
### Ten Frames



### Student Practice:

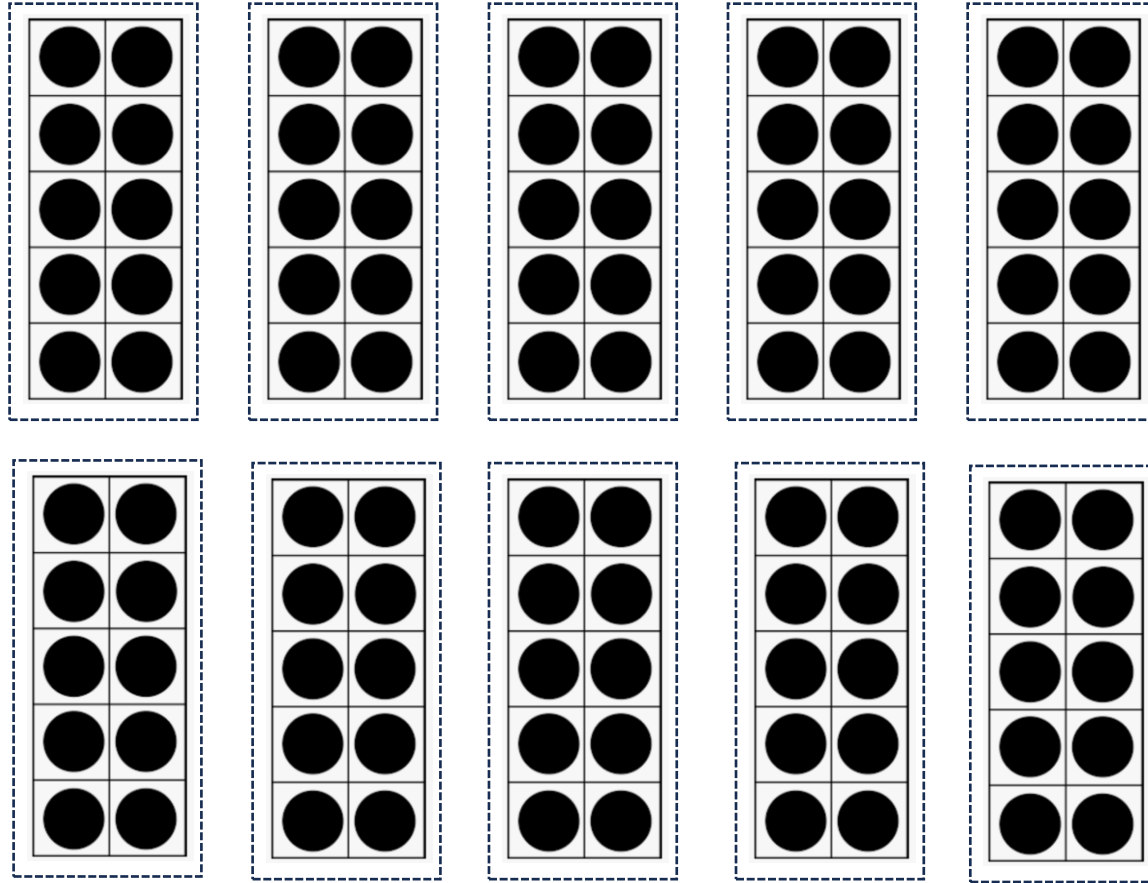


2.0 Counting  
Pg. 145-146



1.0 Counting  
pg. 47-48

Click link above for materials



## Lesson

Put the number line up to 30 together. Most students will be able to successfully count by tens on a decade. The goal of this activity is for them to learn how to count by tens off the decade and how to start from numbers other than zero and decade numbers.

Ask students to count by tens starting at 4. Use the 10-catcher to show how they are still skipping ten numbers, still counting by 10, but landing on 14. Then go from 14 to 24, and then rest at another single-digit number.

0	1	2	3	4	5	<----- 10 Catcher ----->					15	16	17	18	19	20
---	---	---	---	---	---	--------------------------	--	--	--	--	----	----	----	----	----	----

## Materials Click Here

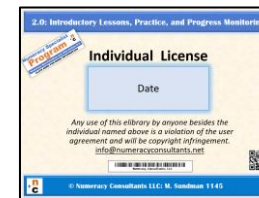
Number line to 30 and 10 catcher

0	1	2	3	4	5	6	7	8	9	10
glue	11	12	13	14	15	16	17	18	19	20
glue	21	22	23	24	25	26	27	28	29	30

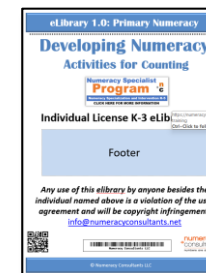
  

<----- 10 Catcher ----->									
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## Student Practice:



2.0 Counting  
Pg. 147-148



1.0 Counting  
pg. 50-55



Click link above for materials



0	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

glue	11	12	13	14	15	16	17	18	19	20
------	----	----	----	----	----	----	----	----	----	----

glue	21	22	23	24	25	26	27	28	29	30
------	----	----	----	----	----	----	----	----	----	----

<- - - - - 10 Catcher - - - - ->

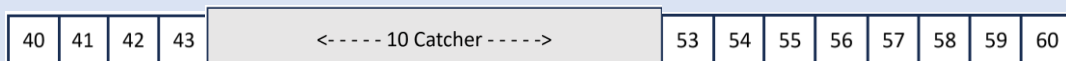




## Lesson

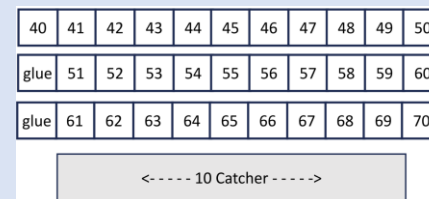
Put the number line from 40 up to 70 together. Most students will be able to successfully count by tens on a decade. The goal of this activity is for them to learn how to count by tens off the decade and how to start from numbers other than zero and decade numbers.

Ask students to count by tens starting at 44. Use the 10-catcher to show how they are still skipping ten numbers, still counting by 10, but landing on 54. Then go from 54 to 64, and then rest at another two-digit number in the forties.

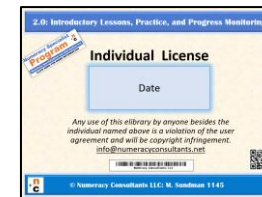


## Materials Click Here

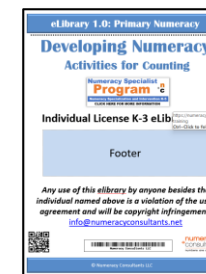
Number line to 30 and 10 catcher



## Student Practice:



2.0 Counting  
Pg. 147-148



1.0 Counting  
pg. 50-55

Click link above for materials





40	41	42	43	44	45	46	47	48	49	50
----	----	----	----	----	----	----	----	----	----	----

glue	51	52	53	54	55	56	57	58	59	60
------	----	----	----	----	----	----	----	----	----	----

glue	61	62	63	64	65	66	67	68	69	70
------	----	----	----	----	----	----	----	----	----	----

<- - - - - 10 Catcher - - - - ->

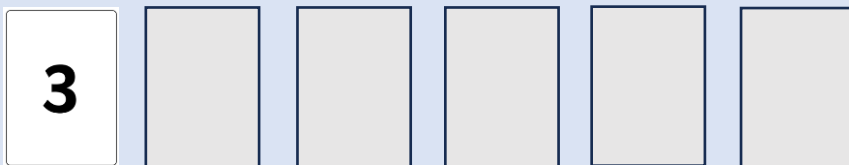




## Lesson

Separate the cards from the hundred deck into sets, counting by tens. For example, put the 3, 13, 23, 33, 43, 53, 63 together. Do that with other sets as well, for example 5, 15, 25, 35, 45, 55, 65. You can go past the 60s if you'd like, but the set should stop at 66.

Start with the single-digit card face up, then place another card to go with that counting-by-ten set face down. Have the student count by tens as they say the number. Flip the card over to see if they got it right.

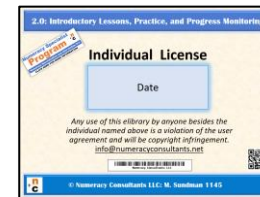


## [Materials Click Here](#)

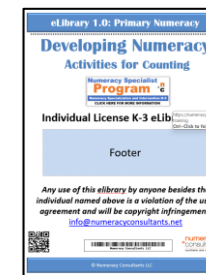
### Number Cards



### Student Practice:



2.0 Counting  
Pg. 147-148



1.0 Counting  
pg. 50-55



cut

Click link above for materials



## Lesson

Pass out a calculator to the student or students. Press and single digit number then the plus button twice (+, +), then press 10 and the calculator will turn into a counting-by- tens machine. Have the student say the number out loud each time as they press the equal sign to go to the next number.

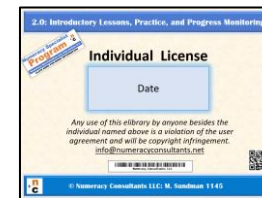
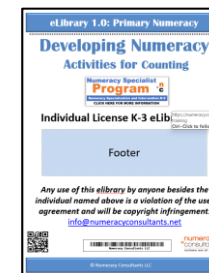
To practice backward counting, press any two digit number, minus twice (-, -), 10,, , and then hit the equal sign. The calculator will now count down by tens. Have the student say each number out loud as they press the equal sign to go to the next number.

## Materials

Calculator



## Student Practice:

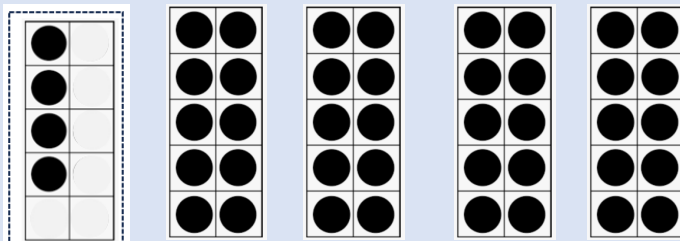
2.0 Counting  
Pg. 147-1481.0 Counting  
pg. 50-55

No Additional Materials Needed



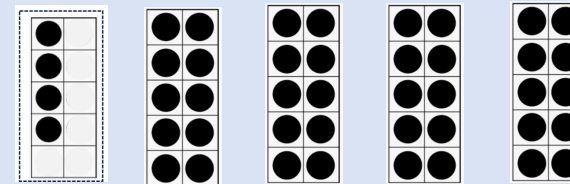
## Lesson

Cut out the partially full ten frames and the full ten frames. Take a partial frame that is not full and set it down, then ask the student how many are there. Now set down a full ten frame and ask them how many are there. If they try to count by ones, correct them and show that you can count by tens starting at 4 because you just skipping ten. Then set down another ten frame and do the same. Continue until you reach the target number you want them to count up to. For example, 4, 14, 24, 34, 44 etc..

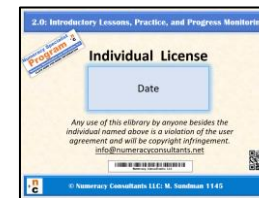


## Materials Click Here

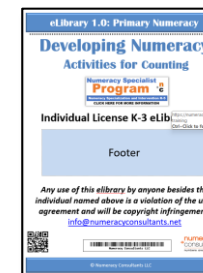
### Ten Frames



### Student Practice:

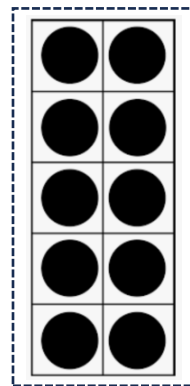
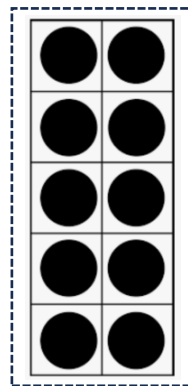
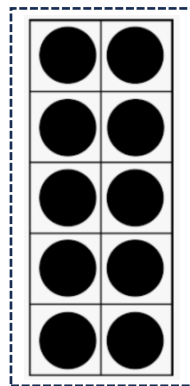
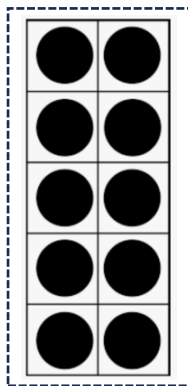
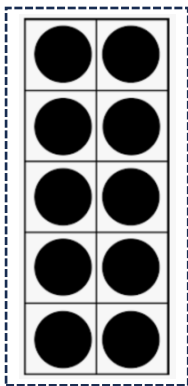
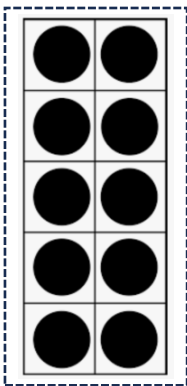
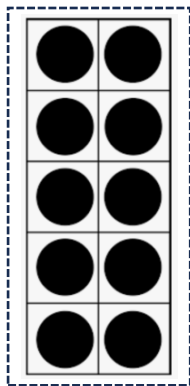
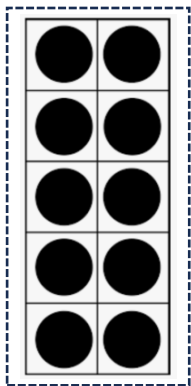
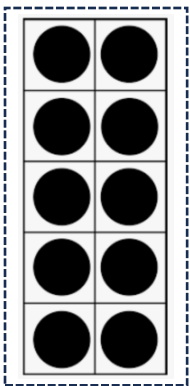
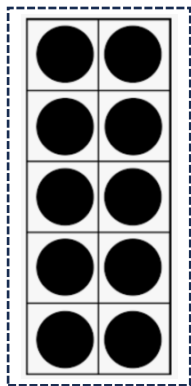
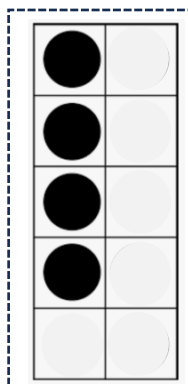
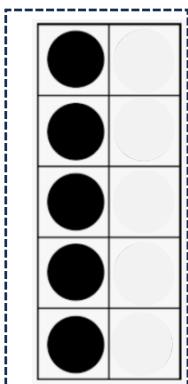
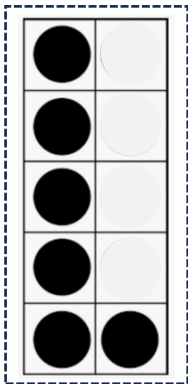
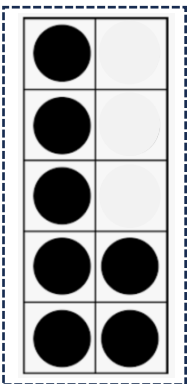
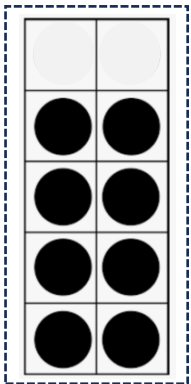
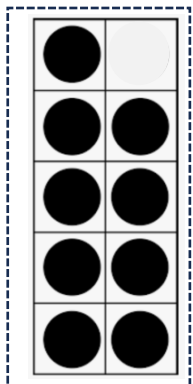


2.0 Counting  
Pg. 147-148



1.0 Counting  
pg. 50-55

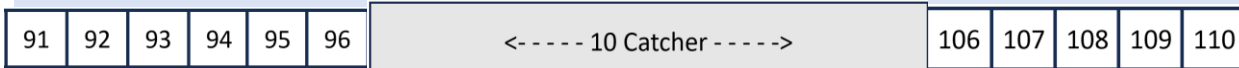
Click link above for materials



## Lesson

Put the number line from 80 to 120 together. Most students will be able to successfully count by tens within each decade. The goal of this activity is for students to learn how to count through the 80s and 90s into the 100s by tens.

Ask students to count by tens starting at 84. Use the 10-catcher to show how they are still skipping ten numbers, still counting by 10, but landing on 84. Then, move from 84 to 104, and then into the teens, eventually resting at another single-digit number.

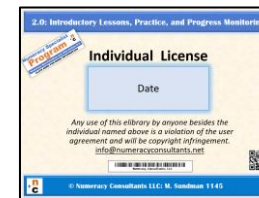


## Materials Click Here

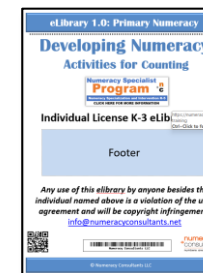
Number line to 80 – 120 and 10 catcher

80	81	82	83	84	85	86	87	88	89	90
glue	91	92	93	94	95	96	97	98	99	100
glue	101	102	103	104	105	106	107	108	109	110
glue	111	112	113	114	115	116	117	118	119	120
<----- 10 Catcher ----->										

## Student Practice:



2.0 Counting  
Pg. 149-150



1.0 Counting  
pg. 56-60

Click link above for materials



80	81	82	83	84	85	86	87	88	89	90
----	----	----	----	----	----	----	----	----	----	----

glue	91	92	93	94	95	96	97	98	99	100
------	----	----	----	----	----	----	----	----	----	-----

glue	101	102	103	104	105	106	107	108	109	110
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

glue	111	112	113	114	115	116	117	118	119	120
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

<- - - - - 10 Catcher - - - - ->







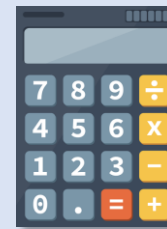
## Lesson

Pass out a calculator to the student or students. Press and two digit number then the plus button twice (+, +), then press 10 and the calculator will turn into a counting-by- tens machine. Have the student say the number out loud each time as they press the equal sign to go to the next number. Have them practice counting forwards up to 117 a few times.

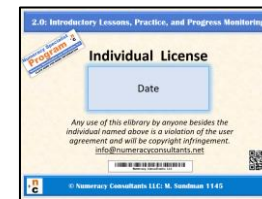
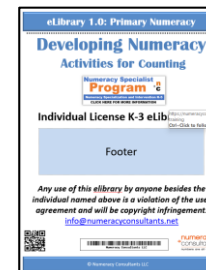
To practice backward counting, press any three digit number, minus twice (-, -), 10,, , and then hit the equal sign. The calculator will now count down by tens. Have the student say each number out loud as they press the equal sign to go to the next number.

## Materials

Calculator



## Student Practice:

2.0 Counting  
Pg. 149-1501.0 Counting  
pg. 56-60

No Additional Materials Needed



## Lesson

For this activity, you will need plastic units and 10 rods. Count out a single-digit number of units; for example, count out 6 units. Then, keep adding a 10 rod, and with each 10 rod you add, ask the student how many there are now.

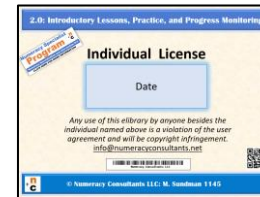
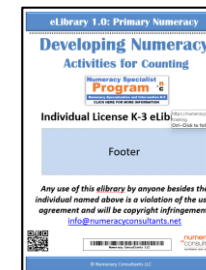
Once a student shows some strength, you can start at a two-digit number like 34 (3 ten rods and 4 units). Then, start adding on 10 rods and have them count by 10s past 100 or go as high as you would like.

## Materials

Ten rods and units



## Student Practice:

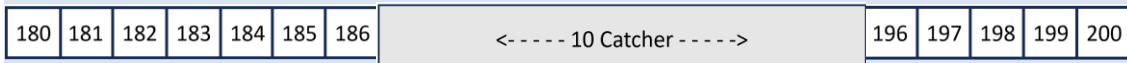
2.0 Counting  
Pg. 149-1501.0 Counting  
pg. 56-60

No Additional Materials Needed

## Lesson

Put the number line from 80 to 120 together. Most students will be able to successfully count by tens within each decade. The goal of this activity is for students to learn how to count through the 80s and 90s into the 100s by tens.

Ask students to count by tens starting at 84. Use the 10-catcher to show how they are still skipping ten numbers, still counting by 10, but landing on 84. Then, move from 84 to 104, and then into the teens, eventually resting at another single-digit number.



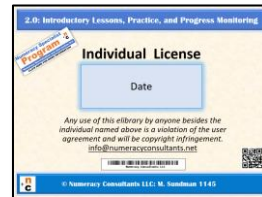
## Materials Click Here

Number line to 180 – 220 and 10 catcher

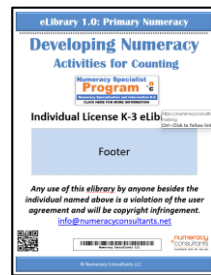
180	181	182	183	184	185	186	187	188	189	190
glue	191	192	193	194	195	196	197	198	199	200
glue	201	202	203	204	205	206	207	208	209	210
glue	211	212	213	214	215	216	217	218	219	220

<----- 10 Catcher ----->

## Student Practice:



2.0 Counting  
Pg. 151



1.0 Counting  
pg. 62-66

Click link above for materials



180	181	182	183	184	185	186	187	188	189	190
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

glue	191	192	193	194	195	196	197	198	199	200
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

glue	201	202	203	204	205	206	207	208	209	210
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

glue	211	212	213	214	215	216	217	218	219	220
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

<- - - - - 10 Catcher - - - - ->



580	581	582	583	584	585	586	587	588	589	590
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glue	591	592	593	594	595	596	597	598	599	600
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

glue	601	602	603	604	605	606	607	608	609	610
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

glue	611	612	613	614	615	616	617	618	619	620
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

<- - - - - 10 Catcher - - - - ->





## Lesson

Pass out a calculator to the student or students. Press and two digit number then the plus button twice (+, +), then press 10 and the calculator will turn into a counting-by- tens machine. Have the student say the number out loud each time as they press the equal sign to go to the next number. Have them practice counting forwards up to 208 or more a few times.

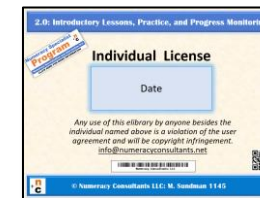
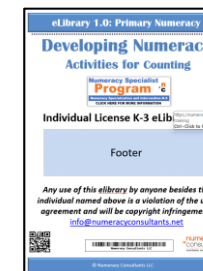
To practice backward counting, press any three digit number, minus twice (-, -), 10,, , and then hit the equal sign. The calculator will now count down by tens. Have the student say each number out loud as they press the equal sign to go to the next number.

## Materials

Calculator











## Student Practice:

2.0 Counting  
Pg. 1511.0 Counting  
pg. 62-66

No Additional Materials Needed

## Counting by Tens Activities

Level A (Counts to 100 starting at 10)	Level B (Counts to 66 off Decade)	Level C (Counts to 117 off decade)	Level D (Counts to 208 off decade)
Count 10 Bundled Popsicle sticks 			
Count 10 Rods 			
Calculator Count by 10 			
Ten Catcher Number Line On Decade 			
Bucket Count by 10's 	Same Activities but OFF DECADE Numbers	Same Activities but OFF DECADE Numbers into 100's	Continue to 1000 
Decade Number Cards 10 more 10 less 			
10 Finger Flashes  Add ones for Split Counting 3 Flashes of 10 and 2 ones is what number?			

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