

## I CAN WORK

## WITH NUMBERS



I can solve join word problems within 20. I CAN FIND THE UNKNOWN IN ALL PLACES.
I can use objects, drawinss and equations to represent the problem. $4+4=8$

| $\bullet$ | 0 | 0 | 0 |  |
| :--- | :--- | :--- | :--- | :--- |
| $\bullet$ | $\bullet$ | $\bullet$ | $\bullet$ |  |

I can solve compare word problems within 20.
I can find the unknown in all places.
 AR(



I can talk about adding numbers in different ways.

$$
4+6+2=10+2
$$

I can add within 20 using different strategies.

## My fluency is within 10.

COUNTING ON.o. MAMMNG
TTENODDECOMPOSING A NUMBER

I CAN SOLVE TAKE FROM PROBLEMS WITHIN 20.
I can find the unknown in all places. I CAN USE OBJECTS, DRAWINGS AND EQUATIONS TO REPRESENT THE PROBLEM.

$$
5-2=3
$$



I can solve word problems with 3 addends within 20. I can use objects, drawings and equations to represent the problem.


I can solve putting together problems within 20.
I CAN FIND THE UNKNOWN IN ALL PLACES. I can use objects. orawings and equations to represent the problem.

| 8 |  |
| :--- | :--- |
| 5 | 3 |

## I

 turn around facts.

$$
2+3=3+2
$$

$10-2$ think $2+?=10$

I can subtract within 20 using different strategies.


Counting back, bridging 10, breaking apart a number



I can count on ...
$4+2$

I can count back...
10-3...

## I CAN DECIDE

if equations are TRUE or FBLSE.

| TRUE | FALSE |
| :---: | :---: |
| $4=2+2$ | $3=4-2$ |
| $3+1=4$ | $3+3=5$ |

I CAN SOLVE subtraction problems by aoding.

## T GAN WORK

 with the equal sign.$6=6 \quad 8=7+1$ $3=5-25+5=10$

I CAN FIND THE missing number in



$$
8=8-?
$$

I can solve join word problems within 20. I CAN FIND THE UNKNOWN IN ALL PLACES.
I can use objects, drawings and equations to represent the problem.

$$
4+4=8
$$



I can solve putting together problems within 20.

## I CAN FIND THE UNKNOWN

 IN ALL PLACES. I can use objects. orawings and equations to represent the problem.| 8 |  |
| :--- | :--- |
| 5 | 3 |

## I CAN SOLVE TAKE FROM PROBLEMS WITHIN 20.

I can find the unknown in all places. $\triangle$ CAN USE OBJECTS, DRAWLNGS AND EQUATIONS TO REPRESENT THE PROBLEM.

$$
\begin{gathered}
5-2=3 \\
\gg \ll
\end{gathered}
$$

## I can solve compare word

 problems within 20.I can find the unknown in all places. ICAR




## with 3 addends within 20.

I can use objects, drawings and equations to represent the problem.

## $3+5+2=10$

I can solve word problems

## I

## 

 turn around facts.$$
2+3=3+2
$$

## I can talk about adding numbers

## in different ways.

$4+6+2=10+2$

## I CAN SOLVE

 subtraction problems by adoing.
## $10-2$ think $2+?=10$





I can count on ...
$4+2$

> I can count back... $10-3 \ldots$

I can add within 20 using ditterent strategies.
My fluency is within 10.



I can subtract within 20 using different strategies.


Counting back, bridging 10, breaking apart a number

## I can work

 with the equal sign.$$
\left\lvert\, \begin{array}{ll}
6=6 & 8=7+1 \\
3=5-2 & 5+5=10
\end{array}\right.
$$

$$
\begin{aligned}
& \text { I CAN DECIDE } \\
& \text { if equations are }
\end{aligned}
$$

addition equation.
$33-\ldots=13$

## I know Place Value;



## with



T GAN GOUNT
TO 120.
a"inumainair
 H.H.H........

 แHU*U**** *.*******


1 Cam coune to 12(0)
starting at any number less than 120.
59...60,61,62..... I can represent a number of objects with a written numeral. NUMERALS to 120. 50848

## I CAN COMPARE 2

TWO-DIGIT NUMBERS with the symbols $>,=$, and <.

I CAN ADD A 2-DIGIT AND A 1 DIGIT NUMBER.

$$
24+7=31
$$



照 $\operatorname{CHOH}$ R anysimis
50120.

that is the number 37

IGAN EXPLATN
TENS AND ONES.

3 TENS AND 1 ONE


10 more than a 2 - digit number.


## I canfind

10 less than a 2 - digit NUMBER.


## I CAN SUBTRACT MULTIPLES OF 10.

 $\mathbf{3 0}-\mathbf{2 0}=10$


## I CAN COMPARE 2

## TWO-DIGIT NUMBERS

山ith the symbols$$
>,=, \text { and }<.
$$



MORE THAN A '- DIGIT NUMBER.

$$
\begin{array}{|ccc|c|cc|cc|c|c|}
1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 \\
\hline 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 & 19 & 20 \\
\hline 21 & 22 & 23 & 24 & 25 & 26 & 27 & 28 & 29 & 30 \\
31 & 32 & 33 & 34 & 35 & 36 & 37 & 38 & 39 & 40 \\
\hline 41 & 42 & 43 & 44 & 45 & 46 & 47 & 48 & 49 & 50 \\
51 & 52 & 53 & 54 & 55 & 56 & 57 & 58 & 59 & 60 \\
61 & 62 & 63 & 64 & 65 & 66 & 67 & 68 & 69 & 70 \\
\hline 71 & 72 & 73 & 74 & 75 & 76 & 77 & 78 & 79 & 80 \\
81 & 82 & 83 & 84 & 85 & 86 & 87 & 88 & 89 & 90 \\
\hline 91 & 92 & 93 & 94 & 95 & 96 & 97 & 98 & 99 & 100
\end{array}
$$

## I can find

10 less than a 2 - digit NUMBER.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
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## I CAN SUBTRACT


$30-20=10$


















# I can solve join word problems within 20. I can find the unknown in all places. <br> I can use objects, drawinss and eguations to represent the problem. 

$$
4+4=8
$$



I can solve take from problems within 20.
I can find the unknown in all places. I can use objects, drawings and equations to represent the problem.


# I can solve putting together 

 problems within 20..I can find the unknown in all places.
I can use objects, drawings and equations to represent the problem.


I CAN SOLVE COMPARE NORD PROBLEMS WITHEN 20.

## 

 I CAN USE OBJECTS, DRAWIMGS AND EQUATIONS TO REPRESENT THE PROBLEM.

## I can solve word problems with 3

 addends within 20.I can use objects, drawings and equations to represent the problem.

## $3+5+2=10$



$$
\begin{aligned}
& \text { I CAN TALK ABOUT } \\
& \text { ADDING NUMBERS } \\
& \text { IN DIFFERENT WAYS. } \\
& 4+6+2=10+2
\end{aligned}
$$

# Ican Sölve sulbtraction problems by adding. <br> <br> 10 - 2 think 2 + ? = 10 

 <br> <br> 10 - 2 think 2 + ? = 10}

# I can think about 

 how counting can be used for adding and subtracting.
## I can count on ...



## I can cöunt back... <br> 

$$
\begin{aligned}
& \text { I can add within } 20 \\
& \text { using } \\
& \text { different strategies. } \\
& \text { My fuency is within } 10 . \\
& \text { Counting on... making ten... } \\
& \text { decomposing a number }
\end{aligned}
$$

## I can subtract within 20

## using different strategies．

## My fluency is within 10.

Counting back，bridging 10，
breaking apart a number．

## TAN WORK <br> with the equal sign．

$$
\begin{aligned}
& \text { гーーーーーーーーーーーーーッ } \\
& \text { I 6=6 8=7-1 । } \\
& \text { I } 3=5-25+5=10 \quad \text { I } \\
& \text { ᄂ - ー ー ー ー ー - ー ー - ー - 」 }
\end{aligned}
$$

# I can decide IF EQUATIONS ARE HRU: OR FAMS: 

| TRUE | FALSE |
| :---: | :---: |
| $4=2+2$ | $3=4-2$ |
| $3+1=4$ | $3+3=5$ |

# 1 CAN FIND 

the missing number in a addition equation.


# I can find the missing number in A SUBTRACTION EQUATION. 



## I can cöunt <br> 



# I can count to 120 

 starting at any number less than 120.

that is the number 37

## 】 GAN NRITE mumerals to 122 .



## I CAN REPRESENT

a number of objects with a written numeral.


## I CAN EXPLAIN tens and ones.



3 tens and 1 one


## I can cömpare 2

## two-digit numbers with the symbols

 $>$, $=$, and <
## $37<98$



## a 2-digit and a 1 digit number.



| $\because 1:$ | 0 | $:$ | 0 | 0 | 0 | 0 | 0 | 0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



| - |  |  |  |
| :--- | :--- | :--- | :--- |

#  <br> 10 more than a 2-digit number. 

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
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| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

## ICAN FLAD 10 less than a 2 - digit number.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
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| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
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| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

## Y CAN SUBTRACT MULTTPLES OF 10.

## $30-20=10$



##   Ican use objeriect, damwinss and epyations io mespresent the problent

$4+4=8$



## I can solve puthing toryether

 prodolems withinin20. I con frod the unhrom inall plcces. I con sse objects, scrawings and equations to "represerent the problen.

## I CAN SOLVE COMPARE NORD PROBLEMS WITHMN 20. I CAN FILID THE UNKIONWN IN ALL PLCCES. I CAN USE OBJECTS DRAMIINCS AND EQUATIONS TO REPRESENT THE PROBLEM.



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## I CAN TALK ABOUT'

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## IN DIFPGRENT WAYS.




# 10-2think 2+? = 10 

## I can think about

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# I can add within 20 using <br> difterent strategies. My fluency is within 10. Counting on... making ten... decomposing a number 

## I can subtract within 20

## using different strategies.

## My fluency is within 10.

## Counting back, bridging 10 ,

## breaking aparta a number



## with the equal sign.




the missing number in a addition

## equation.


I can find the misisingumberill




|  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
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| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 |
| 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |

$$
\begin{aligned}
& \text { I can count to } 120 \\
& \text { starting at any number } \\
& \text { |ess than 120. }
\end{aligned}
$$

## 的边




## I CAN RAPRESEATS





# I can cömpare 2 

two-digit numbers with the symbols
$>$, =, and <



## a2.digitandia a ligigitnumber:




## ICNM PNO <br> 10 move than 2 2 - digitnumbunt

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
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| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |$|$

## ICAN FIND 10 less thanana2- digit numbunt.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |


$30-20=10$


## Thank You!

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## About the Dr. Nicki Newton

Dr. Nicki Newton is an education consultant who works with
 schools and districts around the country and Canada on k-8 math curriculum. She has taught elementary school, middle school, and graduate school. Dr Nicki has an Ed.M. and an Ed.D from Teachers, College Columbia University. She is greatly interested in teaching and learning practices around the world and has researched education in Denmark, Guatemala and India. She has written several books, including being a part of the curriculum team for the new McGraw Hill Reveal Math series. She is currently working on a book about counting.

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