you solve 32 + 43? Explain. Write an addition equation How can you use the hundred chart to help

to show the sum.

V.	表。	The same	24	TAN	away		WAY!	ANIA		小部	4
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南	92	82	72	62	52	42	32	22	12	2	
	93	83	73	63	53	1 3	33	23	3	ω	KANDA MANA
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11

Add on a Hundred Chart

I can ...

add two-digit numbers to two-digit numbers using a hundred chart.

© Content Standards 2.NBT.B.5, 2.NBT.B.9 Mathematical Practices MP.4, MP.7, MP.8

Find 54 + 18. You can add on a hundred chart.

You need to add the tens from 18. Move down I row to show I ten. Start at 54.

71	19	51	
72	62	52	
73	63	53	
74	₩,	(5H)	
75	65	55	
76	66	56	
77	67	57	
78	68	58	0
79	69	59	
80	70	98	

the ones. Now add

You're already at 64.

8 ones. You need to go to the Now move ahead 8 to show next row to add them all. S_0 , 54 + 18 = 72.

	_
7 61	
52 62 72	
536373	
74 (54)	
55 65 75	
54) 55 56 57 64 65 66 67 74 75 76 77	
58 68 78	
59 63	
80 70 60	R

Do You Understand?

and 24? a hundred chart to add 35 Show Me! How can you use



Draw arrows on the chart if needed.

☆ Guided

Add using the hundred chart.

Add using the hundre

12 13 (14) 15 16 17 18 19 20 22 23 24 25 26 27 28 29 30 32 34 35 36 37 38 39 40 42 43 44 45 46 47 48 49 50	무	31	21	=
(14) 15 16 17 18 19 2H 25 26 27 28 29 3H 35 36 37 38 39 4H45-▶46 47 48 49	ч2	32	22	12
35 36 37 38 39 35 36 47 48 49	Ч3	33	23	13
15 16 17 18 19 25 26 27 28 29 35 36 37 38 39 46 47 48 49	Ţ.	34	2	
17 18 19 27 28 29 47 48 49	•	35		15
18 19 28 29 48 49	₩6	36	26	16
49 39 19	Ч7	37	27	17
	8ћ	38	28	8
5 4 3 2	49	39	29	19
	50	0	30	20

4.
$$16 + 33 =$$

Independent Practice Add using the hundred chart.

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
91	92	93	94	95	96	97	98	99	100

7.
$$28 + 21 =$$

8.
$$16 + 62 =$$

10.
$$29 + 37 =$$

12. Higher Order Thinking Write the digit that makes each equation true.

$$| + 81 = 97$$

Math Practices and Problem Solving De the hundred chart to solve each problem.

buttons

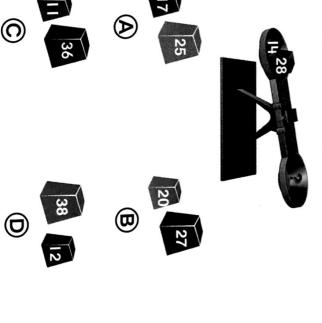
14. MP.7 Look for Patterns Matt has 40 buttons. Nick has 21 more buttons than Matt. How many buttons does Nick have?

91	8	71	61	51	Iћ	31
92	82	72	62	52	2Н	32
93	83	73	63	53	13	33
Н 6	н8	74	49	1 4	쀼	34
95	85	75	65	55	5Н	35
96	86	76	66	56	9ћ	36
97	87	77	67	57	7н	37
98	88	78	68	58	8ћ	38
99	89	79	69	59	49	39
100	90	80	70	60	50	ОĤ

15. Higher Order Thinking 53 plus what number equals 84? Write the steps you take on a hundred chart to find out.

buttons

16. Assessment Which weights will balance the weights already on the scale?



_ _ _

collect in all? Use cubes to help you solve.

Draw your cubes. Tell if you need to regroup.

collects 27 rocks. How many rocks do they

Leslie collects 36 rocks. Her brother

Lesson 4

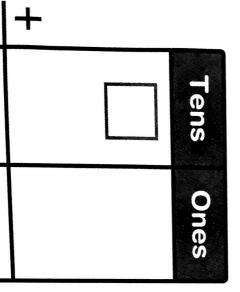
2-Digit Numbers Models to Add

I can ...

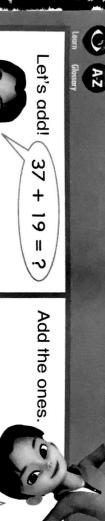
use models to add 2 two-digit numbers and then explain my work.

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Mathematical Practices MP.4, 2.NBT.B.9 MP.5, MP.6



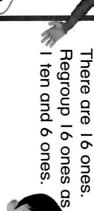
Yes No Regroup?





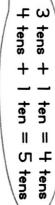
Show 37.

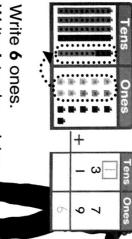
Then show 19.

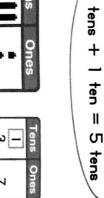


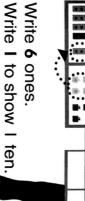


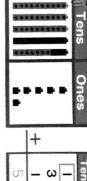












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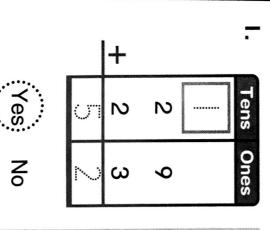
Write 5 to show 5 tens.

Do You Understand?

Show Me! When do you adding? have to regroup when



⊈ Guided → Add. Use connecting cubes and your workmat. Did you need to regroup? Circle Yes or No.



+		'n
2	ω	Tens
2	7	Ones

+		ω
_	+	Tens
8	£	Ones

Yes **N**0

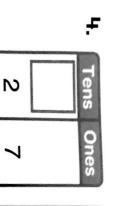
<u>N</u>

Yes

Z0

independent Practice **

Add. Use connecting cubes and your workmat.



+		ပ်ာ
ဒ		Tens
N	9	Ones

+

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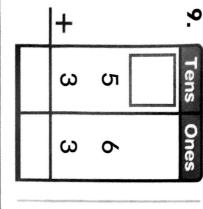
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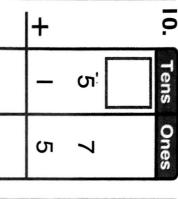
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_	+	Tens
7	ω	Ones

+

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	_	Ŧ	Ones
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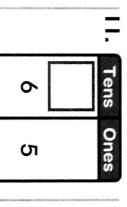


+

6

+

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	2
ω	Tens
9	Ones

	+	encyale cile 19 et egyptenneký vlátní, zazení v rén	Ę.
	5	-[Tens
	6	N	Ones

14. Higher Order Thinking Draw the second addend.

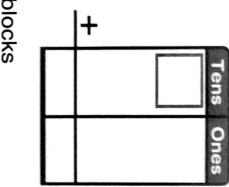






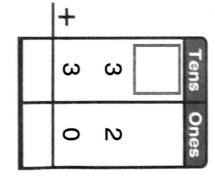
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0000000	Sum
G: G: G: G:	ے

15. MP.5 Use Tools Trent builds a fort with bigger. How many blocks are used in all? 28 blocks. Ryan uses 26 blocks to make it



blocks

I.6. @ MP.5 Use Tools Greg counts How many buttons does Greg count in all? 32 buttons. Then he counts 30 more



buttons

18. Assessment Maria has 33 pennies.

Her mom gives her 19 pennies and

- Higher Order Thinking Write an addition story about the notebooks and pencils in or words your classroom. Use pictures, numbers,
- **⊛** Maria have now? 7 nickels. How many pennies does

© 5

- (B) Ч
- © 52

Explain. Write a subtraction equation.

Lesson 5

a hundred chart. ers using

MP.4, M	Mathem	2.NBT.B.9	© Content	-
MP.4, MP.7, MP.8	Mathematical Practices MP.:	.9	© Content Standards 2.NBT.B.	
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hart to he	dred ch	ne hun equatic	appropriate the second	use the	a subtraction e
he he	narr to	dred chart to on.	he hundred chart to equation. 6 7 8	use the hundred chart to ction equation. 5 6 7 8	n you use the hundred chaubtraction equation. 4 5 6 7

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	91	81	71	61	51	+	31	21	=	_	
	92	82	72	62	52	42	32	22	12	N	The second second
	93	83	73	63	53	43	33	23	13	ω	N. W. W. N. W.
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4	97	87	77	67	57	Ч7	37	27	17	7	1 3/1/18 1
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1	99	89	79	69	59	6ћ	39	29	19	9	24 11 11 11
	100	90	80	70	60	50	유	30	20	10	11111
								1	A Shi		

hundred chart. Find 43 — 28 using a

in 43. number that matches the ones Start at 28. Count to the next

42	32	22
43	33	23
5th hth	34	24
45	35	25
	36	26
46 47	36 37	27
8ħ	38	28
6h 8h	38 39	90 90
50	ОН	3 0)
	}	

Count by ones!
I counted 5 ones to
get from 28 to 33.

Count by tens to 43.

E .	31 32	21 22	
ا الع	(3)	23	
E	34	24	
ъ	35	25	
on 8n 2n yn 5n	36	26	
п7	37	27	
ВП	38	28	
	39	29 30	
20	40	30	

That's 1 ten, or 10 more.

28 + I5 = 4 3	That makes 15.	I added 5 and 10.
		ASS

So, 43 - 28 = 15.

☆ Guided *⇔* Practice Subtract using the hundred chart. Draw arrows if you need to

	51 52	41 42	31 32	21 22
69				
63	53	1 3	33	23
Н9	54	ŧ	34	24:
65	55	Ч5	35	.25.
66	56	46	36	26
67	57	47	37	.27
86	58.	ŀÆ··	 	28
69	59	49	39	29
70	60	50	0ћ	30

and 60?

difference between 18

a hundred chart to find the

Show Me! How can you use

Do You Understand?

3.
$$= 53 - 32$$

Step Up | esson 5

Dogreon Education Inc



Independent Practice 🌣

Subtract using the hundred chart. Draw arrows if you need to.

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91	8	71	61	51	14	31	21	=	-
92	82	72	62	52	42	32	22	12	2
93	83	73	63	53	43	33	23	13	З
Н 6	48	74	н9	54	hh	34	24	14	Ŧ
95	85	75	65	55	Ч5	35	25	-5	5
96	86	76	66	56	9Ъ	36	26	16	6
97	87	77	67	57	ч7	37	27	17	7
86	88	78	86	58	8Н	38	28	8	œ
99	89	79	69	59	49	39	29	19	9
100	90	80	70	60	50	상	30	20	0

8.
$$88 - 51 =$$

10.
$$= 98 - 56$$

11.
$$82 - 61 =$$

12. Higher Order Thinking Write the digit that makes each equation true.

$$7 - 36 = 42$$

Щ

Enrico's puzzle has 75 pieces. need to fit together to complete the puzzle? How many more pieces does Enrico still Enrico fits 53 pieces together.

esse deveryes of hereby each residence of the debus sessions of th	
pieces	Augusta passassana propriata supri supri augusta supri propriata supri propria

I4. @ MP.2 Reasoning A book has 65 pages. pages to finish the book. Gloria needs to read 22 more How many pages has Gloria read already?

91	8	71	61	51	ᄪ
92	82	72	62	52	ч2
93	83	73	63	53	43
Н 6	н8	74	49	45	ht M
95	85	75	65	55	5Н
96	86	76	66	56	9ћ
97	87	77	67	57	4₽
86	88	78	89	58	8ћ
99	89	79	69	59	49
100	90	80	70	60	50

- 15. Higher Order Thinking Felix wants to can take to subtract 47 from 89 on the subtract 89 — 47. Write the steps Felix hundred chart.
- 16. @ Assessment Lee has 98 marbles. 23 of the marbles are blue The rest of the marbles are red. 14 marbles are green.
- A 37

How many marbles are red?

- **®** 6
- © 75
- Ф 84 Ф

Lesson 6

and I-Digit Subtract 2-Models to **Numbers**

4 of them finish drawing. How many students are still drawing?

There are 22 students drawing pictures.

Use cubes to help you solve. Show the tens and ones you have.

can ...

number. use a model to subtract a 1-digit number from a 2-digit

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Mathematical Practices MP.2, MP.3, MP.4, MP.5

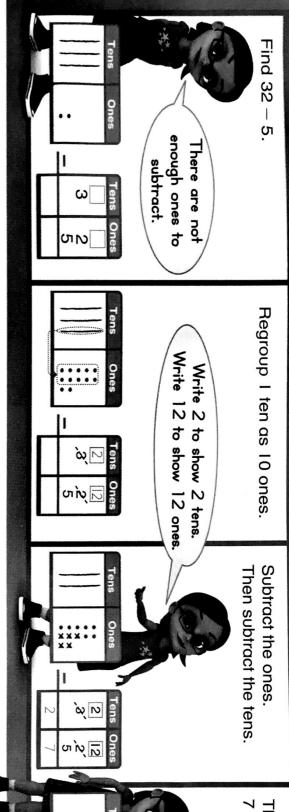
Tens Ones

tens

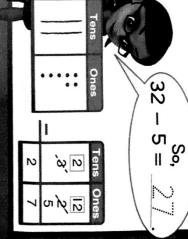
22 - 4 =



picht bind



7 ones left. There are 2 tens and

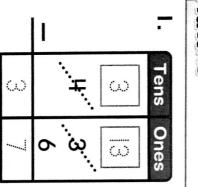


Do You Understand?

subtract 32 - 5? need to regroup when you Show Me! Why do you

☆ Guided

⇒ Subtract. Draw place-value blocks to show Practice your work. Regroup if you need to.



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Step Up | Lesson 6

Tens

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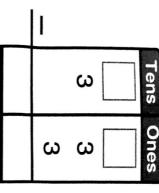
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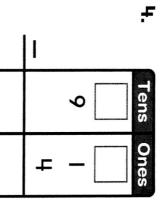
Ones

Independent ⇒ Practice

> your work. Regroup if you need to. Subtract. Draw place-value blocks to show

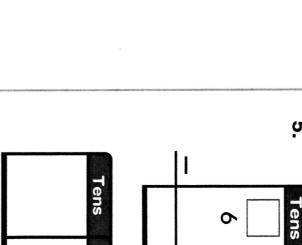






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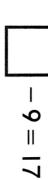
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Write the missing number in the box.

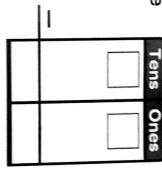




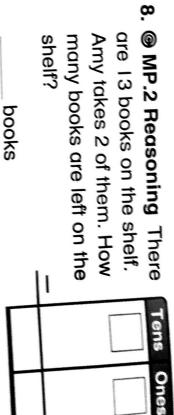
7. @ MP.2 Reasoning There students are still playing go home. How many with blocks. 9 students are 14 students playing

with blocks?

students

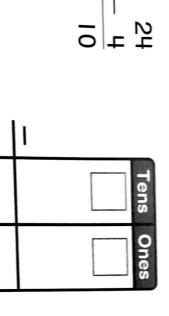


shelf?



9. Higher Order Thinking What mistake did Monica make when she subtracted 24 - 4?

Show how to fix her mistake.



10. @ Assessment Liesel collected 36 leaves. She put some of them in a book. How many leaves did she put in the book? She had 9 leaves left.



- B 37
- 0 28
- © 5