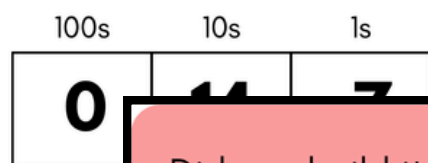
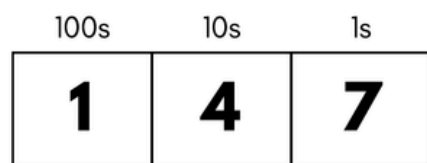


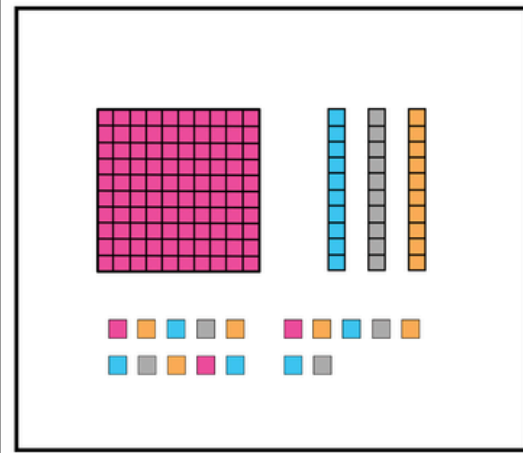
3-DIGIT PLACE VALUE TALKS

Discussion slides to explore multiple representations, nearness & flexible thinking

Do these two place value charts represent the same number?
Justify your answer.

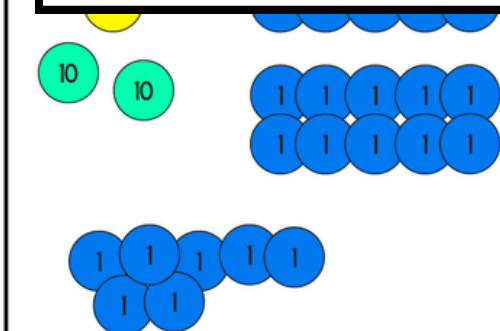
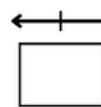


Did you build it like this? Or did you

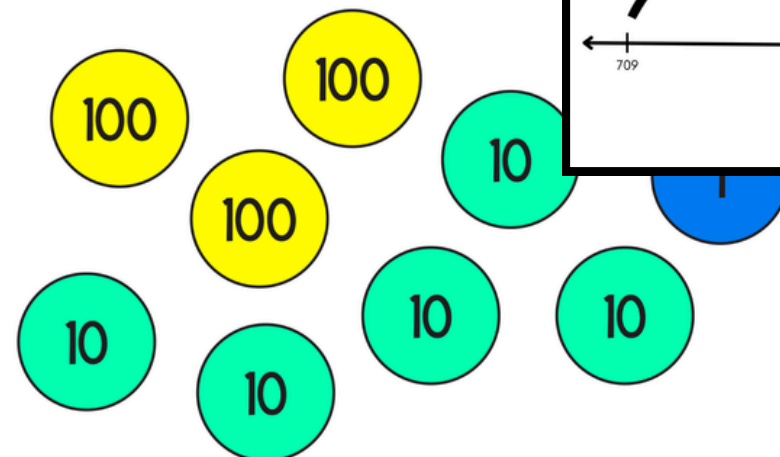


Let's round 324 to the nearest 100.

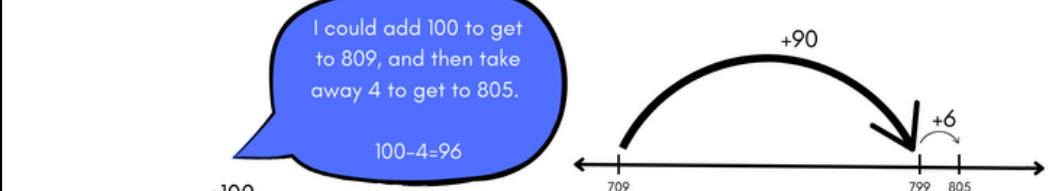
Which hundreds is 324 close to?
What is the midpoint between those two hundreds?
Where does 324 belong on the number line?



What number is represented



Did you use any of these ideas to figure out how close 709 is to 805? Or did you do something different?



$$805 - 709 = 96$$

$$709 + 96 = 805$$

Place value should be more than simply identifying digits!

Let's get our students thinking deeply about place value concepts!



Do these two place value charts represent the same number?
Justify your answer.

100s	10s	1s
4	5	5

100s	10s	1s
0	45	5

These place value talks are designed to emphasize flexible thinking and deep understanding.

Your students will work with place value in a variety of different ways so that their understanding goes beyond simple digit identification.



Do these two place value charts represent the same number? Justify your answer.

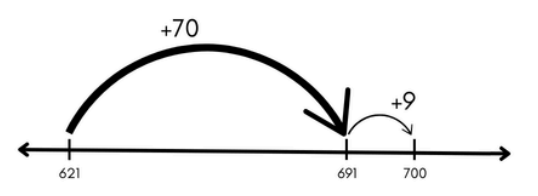
100s	10s	1s
7	3	4

100s	10s
0	73

Did you build it like this? Or did you do something different?

Did you use any of these ideas to figure out how close 621 is to 700? Or did you do something different?

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



$700 - 621 = 79$

$621 + 79 = 700$

Did you show 843 in any of these ways?

100s	10s	1s
8	3	13

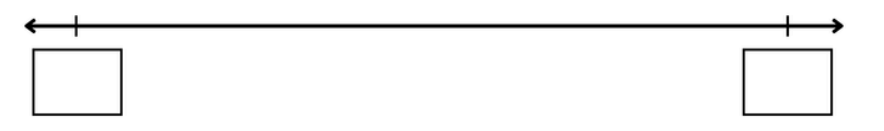
100s	10s	1s
4	44	3

100s	10s	1s
6	20	43

100s	10s
2	62

Let's round 843 to the nearest 100.

Which hundreds is 843 close to?
 What is the midpoint between those two hundreds?
 Where does 843 belong on the number line?



For each place value talk, students will be taken through a progression of about 10 slides.

These slides are designed to help students build their knowledge in a scaffolded way and provide prompts to make your discussion seamless.

Here's an example of one place value talk.

What number is represented?

How could we put 816 into the place value chart?

100s	10s	1s

Did you show 816 in any of these ways?

100s	10s	1s	100s	10s	1s
7	11	6	6	21	

Did you use any of these ideas to figure out how close 816 is to 900? Or did you do something different?

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

Let's figure out how close 816 is to 900. How could we do that?

Did you use any of these ideas to figure out how close 816 is to 850? Or did you do something different?

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

Now let's figure out how close 816 is to 850. How could that?

Let's round 816 to the nearest 10.

Which tens is 816 close to?
 What is the midpoint between those two tens?
 Where does 816 belong on the number line?

Does your number line look like this?

Includes place value talks for **20 days**

Ready to incorporate
flexibility and **true**
understanding into your
place value instruction
this year?



3-DIGIT PLACE VALUE TALKS

Discussion slides to explore multiple representations, nearness & flexible thinking

Do these two place value charts represent the same number?
Justify your answer.

100s	10s	1s
1	4	7

100s	10s	1s
0	14	7

Let's round 324 to the nearest 100.
Which hundreds is 324 close to?
What is the midpoint between those two hundreds?
Where does 324 belong on the number line?

Did you build it like this? Or did you...

What number is represented by these blocks?

Did you use any of these ideas to figure out how close 709 is to 805? Or did you do something different?

I would add 100 to get to 809, and then take away 4 to get to 805.

$805 - 709 = 96$
 $709 + 96 = 805$

SHELLEY
GRAY