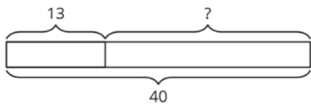
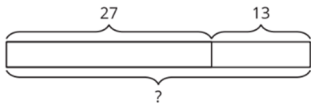
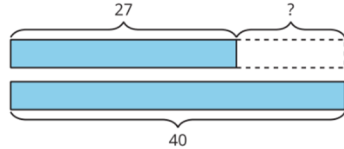


Let's Do Some Math - Which One Doesn't Belong?

A. 

B. 

C. $27 + \underline{\quad} = 40$

D. 

Standards Unpacking		
Key	Standard	Prerequisites/Vocabulary
Put a box around the <u>conceptual component</u> of the standard. Underline the <u>procedural/fluency component</u> of the standard. Put a cloud around the <u>application component</u> of the standard.	2.NBT.5 – With accuracy and efficiency, add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.	What prior knowledge should my students have?
		What vocabulary/ notation should students know for this standard?
	2.NBT.6 – Add up to four two-digit numbers using strategies based on place value and properties of operations.	What prior knowledge should my students have?
		What vocabulary/ notation should students know for this standard?
	2.NBT.7 – Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; justify the reasoning used with a written explanation. Understand that in adding or subtracting three- digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.	What prior knowledge should my students have?
		What vocabulary/ notation should students know for this standard?

Hillside – Grade 2 – Addition and Subtraction Within 100

Hundreds Chart

27 + 30

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

42 + 17

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

34 + 37

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

Hillside – Grade 2 – Addition and Subtraction Within 100

Number Line	
$27 + 30$	Meaning:
	
$42 + 17$	Meaning:
	
$34 + 37$	Meaning:
	

Place Value Mat - Concrete

$27 + 30$

Moving to the Algorithm

	T	O	
			Ones Value
+			Tens Value
			SUM

Expanded Form

	T	O	
			Ones Value
+			Tens Value
			SUM

$42 + 17$

Moving to the Algorithm

	T	O	
			Ones Value
+			Tens Value
			SUM

Expanded Form

	T	O	
			Ones Value
+			Tens Value
			SUM

$34 + 37$

Moving to the Algorithm

	T	O	
			Ones Value
+			Tens Value
			SUM

Expanded Form

	T	O	
			Ones Value
+			Tens Value
			SUM

Place Value Mat

$27 + 30$

	Tens	Ones
Model		
Value		
SUM		

$42 + 17$

	Tens	Ones
Model		
Value		
SUM		

$34 + 37$

	Tens	Ones
Model		
Value		
SUM		

Hillside – Grade 2 – Addition and Subtraction within 100

Hundreds Chart

36 – 12

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

60 – 17

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

57 – 38

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

Number Line	
36 – 12	Meaning:
	
57 – 38	Meaning:
	
60 – 27	Meaning:
	

Place Value Mat - Concrete

36 – 12

	<i>Tens</i>	<i>Ones</i>
Expanded form	+	
DIFFERENCE		

57 – 38

	<i>Tens</i>	<i>Ones</i>
Expanded form	+	
DIFFERENCE		

60 – 27

	<i>Tens</i>	<i>Ones</i>
Expanded form	+	
DIFFERENCE		

Place Value Mat - Pictorial

36 – 12

Subtrahend:

57 – 38

Subtrahend:

Model

Model

Value

Value

DIFFERENCE

DIFFERENCE

60 – 27

Subtrahend:

Model

Value

DIFFERENCE

100 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

Addition Progression - Work Mat

Tens



Ones



Addition Progression - Work Mats

Tens



Ones

