A

Add.

Correct _____

1	40 + 3 =		23	45 + 44 =	
2	40 + 8 =		24	44 + 45 =	
3	40 + 9 =		25	30 + 20 =	
4	40 + 10 =		26	34 + 20 =	
5	41 + 10 =		27	34 + 21 =	
6	42 + 10 =		28	34 + 25 =	
7	45 + 10 =		29	34 + 52 =	
8	45 + 11 =		30	50 + 30 =	
9	45 + 12 =		31	56 + 30 =	
10	44 + 12 =		32	56 + 31 =	
11	43 + 12 =		33	56 + 32 =	
12	43 + 13 =		34	32 + 56 =	
13	13 + 43 =		35	23 + 56 =	
14	40 + 20 =		36	24 + 75 =	
15	41 + 20 =		37	16 + 73 =	
16	42 + 20 =		38	34 + 54 =	
17	47 + 20 =		39	62 + 37 =	
18	47 + 30 =		40	45 + 34 =	
19	47 + 40 =		41	27 + 61 =	
20	47 + 41 =		42	16 + 72 =	
21	47 + 42 =		43	36 + 42 =	
22	45 + 42 =		44	32 + 54 =	

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COMMON CORE

engage^{ny}

5.A.33

B

Add.

Improvement _____   # Correct _____

1	50 + 3 =		23	55 + 44 =	
2	50 + 8 =		24	44 + 55 =	
3	50 + 9 =		25	40 + 20 =	
4	50 + 10 =		26	44 + 20 =	
5	51 + 10 =		27	44 + 21 =	
6	52 + 10 =		28	44 + 25 =	
7	55 + 10 =		29	44 + 52 =	
8	55 + 11 =		30	60 + 30 =	
9	55 + 12 =		31	66 + 30 =	
10	54 + 12 =		32	66 + 31 =	
11	53 + 12 =		33	66 + 32 =	
12	53 + 13 =		34	32 + 66 =	
13	13 + 43 =		35	23 + 66 =	
14	50 + 20 =		36	25 + 74 =	
15	51 + 20 =		37	13 + 76 =	
16	52 + 20 =		38	43 + 45 =	
17	57 + 20 =		39	26 + 73 =	
18	57 + 30 =		40	54 + 43 =	
19	57 + 40 =		41	72 + 16 =	
20	57 + 41 =		42	61 + 27 =	
21	57 + 42 =		43	63 + 24 =	
22	55 + 42 =		44	32 + 45 =	

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A

Correct _____

Subtract.

1	33 – 22 =		23	99 – 32 =	
2	44 – 33 =		24	86 – 32 =	
3	55 – 44 =		25	79 – 32 =	
4	99 – 88 =		26	79 – 23 =	
5	33 – 11 =		27	68 – 13 =	
6	44 – 22 =		28	69 – 23 =	
7	55 – 33 =		29	89 – 14 =	
8	88 – 22 =		30	77 – 12 =	
9	66 – 22 =		31	57 – 12 =	
10	43 – 11 =		32	77 – 32 =	
11	34 – 11 =		33	99 – 36 =	
12	45 – 11 =		34	88 – 25 =	
13	46 – 12 =		35	89 – 36 =	
14	55 – 12 =		36	98 – 16 =	
15	54 – 12 =		37	78 – 26 =	
16	55 – 21 =		38	99 – 37 =	
17	64 – 21 =		39	89 – 38 =	
18	63 – 21 =		40	59 – 28 =	
19	45 – 21 =		41	99 – 58 =	
20	34 – 12 =		42	99 – 45 =	
21	43 – 21 =		43	78 – 43 =	
22	54 – 32 =		44	98 – 73 =	

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B   Improvement _____   # Correct _____

Subtract.

1	33 - 11 =		23	99 - 42 =	
2	44 - 11 =		24	79 - 32 =	
3	55 - 11 =		25	89 - 52 =	
4	88 - 11 =		26	99 - 23 =	
5	33 - 22 =		27	79 - 13 =	
6	44 - 22 =		28	79 - 23 =	
7	55 - 22 =		29	99 - 14 =	
8	99 - 22 =		30	87 - 12 =	
9	77 - 22 =		31	77 - 12 =	
10	34 - 11 =		32	87 - 32 =	
11	43 - 11 =		33	99 - 36 =	
12	54 - 11 =		34	78 - 25 =	
13	55 - 12 =		35	79 - 36 =	
14	46 - 12 =		36	88 - 16 =	
15	44 - 12 =		37	88 - 26 =	
16	64 21 =		38	89 - 37 =	
17	55 - 21 =		39	99 - 38 =	
18	53 - 21 =		40	69 - 28 =	
19	44 - 21 =		41	89 - 58 =	
20	34 - 22 =		42	99 - 45 =	
21	43 - 22 =		43	68 - 43 =	
22	54 - 22 =		44	98 - 72 =	

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A

Add.

Correct _____

1	38 + 1 =		23	85 + 7 =	
2	47 + 2 =		24	85 + 9 =	
3	56 + 3 =		25	76 + 4 -	
4	65 + 4 =		26	76 + 5 =	
5	31 + 8 =		27	76 + 6 =	
6	42 + 7 =		28	76 + 9 =	
7	53 + 6 =		29	64 + 6 =	
8	64 + 5 =		30	64 + 7 =	
9	49 + 1 =		31	76 + 8 =	
10	49 + 2 =		32	43 + 7 =	
11	49 + 3 =		33	43 + 8 =	
12	49 + 5 =		34	43 + 9 =	
13	58 + 2 =		35	52 + 8 =	
14	58 + 3 =		36	52 + 9 =	
15	58 + 4 =		37	59 + 1 =	
16	58 + 6 =		38	59 + 3 =	
17	67 + 3 =		39	58 + 2 =	
18	57 + 4 =		40	58 + 4 =	
19	57 + 5 =		41	77 + 3 =	
20	57 + 7 =		42	77 + 5 =	
21	85 + 5 =		43	35 + 5 =	
22	85 + 6 =		44	35 + 8 =	

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Lesson 8: Relate manipulative representations to the addition algorithm.
Date: 10/23/13

engage^ny

5.B.10

B

Improvement _____   # Correct _____

Add.

1	28 + 1 =		23	75 + 7 =	
2	37 + 2 =		24	75 + 9 =	
3	46 + 3 =		25	66 + 4 =	
4	55 + 4 =		26	66 + 5 =	
5	21 + 8 =		27	66 + 6 =	
6	32 + 7 =		28	66 + 9 =	
7	43 + 6 =		29	54 + 6 =	
8	54 + 5 =		30	54 + 7 =	
9	39 + 1 =		31	54 + 8 =	
10	39 + 2 =		32	33 + 7 =	
11	39 + 3 =		33	33 + 8 =	
12	39 + 5 =		34	33 + 9 =	
13	48 + 2 =		35	42 + 8 =	
14	48 + 3 =		36	42 + 9 =	
15	48 + 4 =		37	49 + 1 =	
16	48 + 6 =		38	49 + 3 =	
17	57 + 3 =		39	58 + 2 =	
18	57 + 4 =		40	58 + 4 =	
19	57 + 5 =		41	67 + 3 =	
20	57 + 7 =		42	67 + 5 =	
21	75 + 5 =		43	85 + 5 =	
22	75 + 6 =		44	85 + 8 =	

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Lesson 8: Relate manipulative representations to the addition algorithm.
Date: 10/23/13

engage^ny   5.B.11

A

Add.   # Correct _____

1	8 + 2 =		23	18 + 6 =	
2	18 + 2 =		24	28 + 6 =	
3	38 + 2 =		25	16 + 8 =	
4	7 + 3 =		26	26 + 8 =	
5	17 + 3 =		27	18 + 7 =	
6	37 + 3 =		28	18 + 8 =	
7	8 + 3 =		29	28 + 7 =	
8	18 + 3 =		30	28 + 8 =	
9	28 + 3 =		31	15 + 9 =	
10	6 + 5 =		32	16 + 9 =	
11	16 + 5 =		33	25 + 9 =	
12	26 + 5 =		34	26 + 9 =	
13	18 + 4 =		35	14 + 7 =	
14	28 + 4 =		36	16 + 6 =	
15	16 + 6 =		37	15 + 8 =	
16	26 + 6 =		38	23 + 8 =	
17	18 + 5 =		39	25 + 7 =	
18	28 + 5 =		40	15 + 7 =	
19	16 + 7 =		41	24 + 7 =	
20	26 + 7 =		42	14 + 9 =	
21	19 + 2 =		43	19 + 8 =	
22	17 + 4 =		44	28 + 9 =	

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COMMON CORE

Lesson 10: Use math drawings to represent additions with up to two compositions and relate drawings to the addition algorithm.
Date: 10/23/13

engage^{ny}   5.B.33

B

Add.

Improvement _____   # Correct _____

1	$9 + 1 =$		23	$19 + 5 =$	
2	$19 + 1 =$		24	$29 + 5 =$	
3	$39 + 1 =$		25	$17 + 7 =$	
4	$6 + 4 =$		26	$27 + 7 =$	
5	$16 + 4 =$		27	$19 + 6 =$	
6	$36 + 4 =$		28	$19 + 7 =$	
7	$9 + 2 =$		29	$29 + 6 =$	
8	$19 + 2 =$		30	$29 + 7 =$	
9	$29 + 2 =$		31	$17 + 8 =$	
10	$7 + 4 =$		32	$17 + 9 =$	
11	$17 + 4 =$		33	$27 + 8 =$	
12	$27 + 4 =$		34	$27 + 9 =$	
13	$19 + 3 =$		35	$12 + 9 =$	
14	$29 + 3 =$		36	$14 + 8 =$	
15	$17 + 5 =$		37	$16 + 7 =$	
16	$27 + 5 =$		38	$28 + 6 =$	
17	$19 + 4 =$		39	$26 + 8 =$	
18	$29 + 4 =$		40	$24 + 8 =$	
19	$17 + 6 =$		41	$13 + 8 =$	
20	$27 + 6 =$		42	$24 + 9 =$	
21	$18 + 3 =$		43	$29 + 8 =$	
22	$26 + 5 =$		44	$18 + 9 =$	

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COMMON CORE

Lesson 10: Use math drawings to represent additions with up to two compositions and relate drawings to the addition algorithm.
Date: 10/23/13

engage^ny   **5.B.34**

A

Add.   # Correct _____

1	98 + 3 =		23	99 + 12 =	
2	98 + 4 =		24	99 + 23 =	
3	98 + 5 =		25	99 + 34 =	
4	98 + 8 =		26	99 + 45 =	
5	98 + 6 =		27	99 + 56 =	
6	98 + 9 =		28	99 + 67 =	
7	98 + 7 =		29	99 + 78 =	
8	99 + 2 =		30	35 + 99 =	
9	99 + 3 =		31	45 + 98 =	
10	99 + 4 =		32	46 + 99 =	
11	99 + 9 =		33	56 + 98 =	
12	99 + 6 =		34	67 + 99 =	
13	99 + 8 =		35	77 + 98 =	
14	99 + 5 =		36	68 + 99 =	
15	99 + 7 =		37	78 + 98 =	
16	98 + 13 =		38	99 + 95 =	
17	98 + 24 =		39	93 + 99 =	
18	98 + 35 =		40	99 + 95 =	
19	98 + 46 =		41	94 + 99 =	
20	98 + 57 =		42	98 + 96 =	
21	98 + 68 =		43	94 + 98 =	
22	98 + 79 =		44	98 + 88 =	

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COMMON CORE	**Lesson 12:**	Choose and explain solution strategies and record with a written addition method.	engage^{ny}
	Date:	10/23/13	5.B.56

B

Add.

Improvement _____   # Correct _____

1	99 + 2 =		23	98 + 13 =	
2	99 + 3 =		24	98 + 24 =	
3	99 + 4 =		25	98 + 35 =	
4	99 + 8 =		26	98 + 46 =	
5	99 + 6 =		27	98 + 57 =	
6	99 + 9 =		28	98 + 68 =	
7	99 + 5 =		29	98 + 79 =	
8	99 + 7 =		30	25 + 99 =	
9	98 + 3 =		31	35 + 98 =	
10	98 + 4 =		32	36 + 99 =	
11	98 + 5 =		33	46 + 98 =	
12	98 + 9 =		34	57 + 99 =	
13	98 + 7 =		35	67 + 98 =	
14	98 + 8 =		36	78 + 99 =	
15	98 + 6 =		37	88 + 98 =	
16	99 + 12 =		38	99 + 93 =	
17	99 + 23 =		39	95 + 99 =	
18	99 + 34 =		40	99 + 97 =	
19	99 + 45 =		41	92 + 99 =	
20	99 + 56 =		42	98 + 94 =	
21	99 + 67 =		43	96 + 98 =	
22	99 + 78 =		44	98 + 86 =	

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COMMON CORE

engage^{ny}

5.B.57

A

Subtract.

Correct _____

1	11 - 10 =		23	19 - 9 =	
2	12 - 10 =		24	15 - 6 =	
3	13 - 10 =		25	15 - 7 =	
4	19 - 10 =		26	15 - 9 =	
5	11 - 1 =		27	20 - 10 =	
6	12 - 2 =		28	14 - 5 =	
7	13 - 3 =		29	14 - 6 =	
8	17 - 7 =		30	14 - 7 =	
9	11 - 2 =		31	14 - 9 =	
10	11 - 3 =		32	15 - 5 =	
11	11 - 4 =		33	17 - 8 =	
12	11 - 8 =		34	17 - 9 =	
13	18 - 8 =		35	18 - 8 =	
14	13 - 4 =		36	16 - 7 =	
15	13 - 5 =		37	16 - 8 =	
16	13 - 6 =		38	16 - 9 =	
17	13 - 8 =		39	17 - 10 =	
18	16 - 6 =		40	12 - 8 =	
19	12 - 3 =		41	18 - 9 =	
20	12 - 4 =		42	11 - 9 =	
21	12 - 5 =		43	15 - 8 =	
22	12 - 9 =		44	13 - 7 =	

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COMMON CORE

Lesson 16: Subtract from multiples of 100 and from numbers with zero in the tens place.

Date: 10/23/13

engage^{ny}

5.C.48

B

Improvement _____   # Correct _____

Subtract.

1	11 - 1 =		23	16 - 6 =	
2	12 - 2 =		24	14 - 5 =	
3	13 - 3 =		25	14 - 6 =	
4	18 - 8 =		26	14 - 7 =	
5	11 - 10 =		27	14 - 9 =	
6	12 - 10 =		28	20 - 10 =	
7	13 - 10 =		29	15 - 6 =	
8	18 - 10 =		30	15 - 7 =	
9	11 - 2 =		31	15 - 9 =	
10	11 - 3 =		32	14 - 4 =	
11	11 - 4 =		33	16 - 7 =	
12	11 - 7 =		34	16 - 8 =	
13	19 - 9 =		35	16 - 9 =	
14	12 - 3 =		36	20 - 10 =	
15	12 - 4 =		37	17 - 8 =	
16	12 - 5 =		38	17 - 9 =	
17	12 - 8 =		39	16 - 10 =	
18	17 - 7 =		40	18 - 9 =	
19	13 - 4 =		41	12 - 9 =	
20	13 - 5 =		42	13 - 7 =	
21	13 - 6 =		43	11 - 8 =	
22	13 - 9 =		44	15 - 8 =	

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Lesson 16:   Subtract from multiples of 100 and from numbers with zero in the tens place.
Date: 10/23/13

engage^ny   5.C.49

A

Correct _____

Subtract.

1	10 - 1 =		23	21 - 6 =	
2	10 - 2 =		24	91 - 6 =	
3	20 - 2 =		25	10 - 7 =	
4	40 - 2 =		26	11 - 7 =	
5	10 - 2 =		27	31 - 7 =	
6	11 - 2 =		28	10 - 8 =	
7	21 - 2 =		29	11 - 8 =	
8	51 - 2=		30	41 - 8 =	
9	10 - 3 =		31	10 - 9 =	
10	11 - 3 =		32	11 - 9 =	
11	21 - 3 =		33	51 - 9 =	
12	61 - 3 =		34	12 - 3 =	
13	10 - 4 =		35	82 - 3 =	
14	11 - 4 =		36	13 - 5 =	
15	21 - 4 =		37	73 - 5 =	
16	71 - 4 =		38	14 - 6 =	
17	10 - 5 =		39	84 - 6 =	
18	11 - 5 =		40	15 - 8 =	
19	21 - 5 =		41	95 - 8 =	
20	81 - 5 =		42	16 - 7 =	
21	10 - 6 =		43	46 - 7 =	
22	11 - 6 =		44	68 - 9 =	

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98

B

Subtract.

Improvement _____   # Correct _____

1	10 - 2 =		23	21 - 6 =	
2	20 - 2 =		24	41 - 6 =	
3	30 - 2 =		25	10 - 7 =	
4	50 - 2 =		26	11 - 7 =	
5	10 - 2 =		27	51 - 7 =	
6	11 - 2 =		28	10 - 8 =	
7	21 - 2 =		29	11 - 8 =	
8	61 - 2 =		30	61 - 8 =	
9	10 - 3 =		31	10 - 9 =	
10	11 - 3 =		32	11 - 9 =	
11	21 - 3 =		33	31 - 9 =	
12	71 - 3 =		34	12 - 3 =	
13	10 - 4 =		35	92 - 3 =	
14	11 - 4 =		36	13 - 5 =	
15	21 - 4 =		37	43 - 5 =	
16	81 - 4 =		38	14 - 6 =	
17	10 - 5 =		39	64 - 6 =	
18	11 - 5 =		40	15 - 8 =	
19	21 - 5 =		41	85 - 8 =	
20	91 - 5 =		42	16 - 7 =	
21	10 - 6 =		43	76 - 7 =	
22	11 - 6 =		44	58 - 9 =	

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100

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Lesson 17: Subtract from multiples of 100 and from numbers with zero in the tens place.

Date: 10/23/13

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5.C.61