

GRADE 2

BOOK OF SPRINTS

New York State Common Core
Mathematics Curriculum



Grade 2 • MODULE 2

Addition and Subtraction of Length Units

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A

Add or subtract.

1	1, 2, ____		23	99, ____, 101	
2	11, 12, ____		24	19, 20, ____	
3	21, 22, ____		25	119, 120, ____	
4	71, 72, ____		26	35, ____, 37	
5	3, 4, ____		27	135, ____, 137	
6	3, ____, 5		28	____, 24, 25	
7	13, ____, 15		29	____, 124, 125	
8	23, ____, 25		30	142, 143, ____	
9	83, ____, 85		31	138, ____, 140	
10	7, 8, ____		32	____, 149, 150	
11	7, ____, 9		33	148, ____, 150	
12	____, 8, 9		34	____, 149, 150	
13	____, 18, 19		35	____, 163, 164	
14	____, 28, 29		36	187, ____, 189	
15	____, 58, 59		37	____, 170, 171	
16	12, 13, ____		38	178, 179, ____	
17	45, 46, ____		39	192, ____, 194	
18	12, ____, 14		40	____, 190, 191	
19	36, ____, 38		41	197, ____, 199	
20	____, 19, 20		42	168, 169, ____	
21	____, 89, 90		43	199, ____, 201	
22	98, 99, ____		44	____, 160, 161	

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B

Add or subtract.

Improvement _____

Correct _____

1	0, 1, _____		23	99, _____, 101	
2	10, 11, _____		24	29, 30, _____	
3	20, 21, _____		25	129, 130, _____	
4	70, 71, _____		26	34, _____, 36	
5	2, 3, _____		27	134, _____, 136	
6	2, _____, 4		28	_____, 23, 24	
7	12, _____, 14		29	_____, 123, 124	
8	22, _____, 24		30	141, 142, _____	
9	82, _____, 84		31	128, _____, 130	
10	6, 7, _____		32	_____, 149, 150	
11	6, _____, 8		33	148, _____, 150	
12	_____, 7, 8		34	_____, 149, 150	
13	_____, 17, 18		35	_____, 173, 174	
14	_____, 27, 28		36	167, _____, 169	
15	_____, 57, 58		37	_____, 160, 161	
16	11, 12, _____		38	188, 189, _____	
17	44, 45, _____		39	193, _____, 195	
18	11, _____, 13		40	_____, 170, 171	
19	35, _____, 37		41	196, _____, 198	
20	_____, 19, 20		42	178, 179, _____	
21	_____, 79, 80		43	199, _____, 201	
22	98, 99, _____		44	_____, 180, 181	

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A

Fill-in the missing number.

1	0 +	=	10	23	13 +	=	20
2	9 +	=	10	24	23 +	=	30
3	8 +	=	10	25	27 +	=	30
4	7 +	=	10	26	5 +	=	10
5	6 +	=	10	27	25 +	=	30
6	5 +	=	10	28	2 +	=	10
7	1 +	=	10	29	22 +	=	30
8	2 +	=	10	30	32 +	=	30
9	3 +	=	10	31	1 +	=	10
10	4 +	=	10	32	11 +	=	20
11	10 +	=	10	33	21 +	=	30
12	9 +	=	10	34	31 +	=	40
13	19 +	=	20	35	38 +	=	40
14	5 +	=	10	36	36 +	=	40
15	15 +	=	20	37	39 +	=	40
16	8 +	=	10	38	35 +	=	40
17	18 +	=	20	39		+ 6 =	30
18	6 +	=	10	40		+ 8 =	20
19	16 +	=	20	41		+ 7 =	40
20	7 +	=	10	42		+ 6 =	20
21	17 +	=	20	43		+ 4 =	30
22	3 +	=	10	44		+ 8 =	40

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B

Fill-in the missing number.

Improvement _____

Correct _____

1	10 +	=	10	23	14 +	=	20
2	9 +	=	10	24	24 +	=	30
3	8 +	=	10	25	26 +	=	30
4	7 +	=	10	26	9 +	=	10
5	6 +	=	10	27	29 +	=	30
6	5 +	=	10	28	3 +	=	10
7	1 +	=	10	29	23 +	=	30
8	2 +	=	10	30	33 +	=	30
9	3 +	=	10	31	2 +	=	10
10	4 +	=	10	32	12 +	=	20
11	0 +	=	10	33	22 +	=	30
12	5 +	=	10	34	32 +	=	40
13	15 +	=	20	35	37 +	=	40
14	9 +	=	10	36	34 +	=	40
15	19 +	=	20	37	35 +	=	40
16	8 +	=	10	38	39 +	=	40
17	18 +	=	20	39	+ 4	=	30
18	7 +	=	10	40	+ 9	=	20
19	17 +	=	20	41	+ 4	=	40
20	6 +	=	10	42	+ 7	=	20
21	16 +	=	20	43	+ 3	=	30
22	4 +	=	10	44	+ 9	=	40

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A

Correct _____

Add or subtract.

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

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B

Add or subtract.

Improvement _____

Correct _____

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

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A

Correct _____

Circle the longer length.

1	1 cm	0 cm	23	110 cm	101 cm
2	11 cm	10 cm	24	110 cm	1 m
3	11 cm	12 cm	25	1 m	111 cm
4	22 cm	12 cm	26	101 cm	1 m
5	29 cm	30 cm	27	111 cm	101 cm
6	31 cm	13 cm	28	112 cm	102 cm
7	43 cm	33 cm	29	110 cm	115 cm
8	33 cm	23 cm	30	115 cm	105 cm
9	35 cm	53 cm	31	106 cm	116 cm
10	50 cm	35 cm	32	108 cm	98 cm
11	55 cm	45 cm	33	119 cm	99 cm
12	50 cm	55 cm	34	131 cm	133 cm
13	65 cm	56 cm	35	133 cm	113 cm
14	66 cm	56 cm	36	142 cm	124 cm
15	66 cm	86 cm	37	144 cm	114 cm
16	86 cm	68 m	38	154 cm	145 cm
17	68 cm	88 cm	39	155 cm	152 cm
18	89 cm	98 cm	40	198 cm	199 cm
19	99 cm	98 m	41	215 cm	225 cm
20	99 cm	1 m	42	252 cm	255 cm
21	1 m	101 cm	43	2 m	295 cm
22	1 m	90 cm	44	3 m	295 cm

B

Improvement _____

Correct _____

Circle the longer length.

1	0 cm	1 cm	23	111 cm	101 cm
2	10 cm	12 cm	24	101 cm	110 cm
3	12 cm	11 cm	25	1 m	110 cm
4	32 cm	13 cm	26	111 cm	1 m
5	39 cm	40 cm	27	113 cm	117 cm
6	41 cm	14 cm	28	112 cm	111 cm
7	44 cm	40 cm	29	115 cm	105 cm
8	44 cm	54 cm	30	106 cm	116 cm
9	55 cm	65 cm	31	107 cm	117 cm
10	60 cm	59 cm	32	118 cm	108 cm
11	65 cm	45 cm	33	119 cm	120 cm
12	70 cm	65 cm	34	132 cm	123 cm
13	75 cm	57 cm	35	133 cm	132 cm
14	77 cm	76 cm	36	143 cm	134 cm
15	87 cm	78 cm	37	144 cm	114 cm
16	79 cm	97 m	38	154 cm	145 cm
17	79 cm	88 cm	39	155 cm	152 cm
18	98 cm	97 cm	40	195 cm	199 cm
19	99 cm	1 m	41	225 cm	152 cm
20	99 cm	100 cm	42	252 cm	255 cm
21	101 cm	100 cm	43	2 m	295 cm
22	1 m	101 cm	44	3 m	295 cm

A

Subtract.

Correct _____

1	$3 - 1 =$		23	$8 - 7 =$	
2	$13 - 1 =$		24	$18 - 7 =$	
3	$23 - 1 =$		25	$58 - 7 =$	
4	$53 - 1 =$		26	$62 - 2 =$	
5	$4 - 2 =$		27	$9 - 8 =$	
6	$14 - 2 =$		28	$19 - 8 =$	
7	$24 - 2 =$		29	$29 - 8 =$	
8	$64 - 2 =$		30	$69 - 8 =$	
9	$4 - 3 =$		31	$7 - 3 =$	
10	$14 - 3 =$		32	$17 - 3 =$	
11	$24 - 3 =$		33	$77 - 3 =$	
12	$74 - 3 =$		34	$59 - 9 =$	
13	$6 - 4 =$		35	$9 - 7 =$	
14	$16 - 4 =$		36	$19 - 7 =$	
15	$26 - 4 =$		37	$89 - 7 =$	
16	$96 - 4 =$		38	$99 - 5 =$	
17	$7 - 5 =$		39	$78 - 6 =$	
18	$17 - 5 =$		40	$58 - 5 =$	
19	$27 - 5 =$		41	$39 - 7 =$	
20	$47 - 5 =$		42	$28 - 6 =$	
21	$43 - 3 =$		43	$49 - 4 =$	
22	$87 - 7 =$		44	$67 - 4 =$	

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B

Subtract.

Improvement _____

Correct _____

1	$2 - 1 =$		23	$8 - 7 =$	
2	$12 - 1 =$		24	$18 - 7 =$	
3	$22 - 1 =$		25	$68 - 7 =$	
4	$52 - 1 =$		26	$32 - 2 =$	
5	$5 - 2 =$		27	$9 - 8 =$	
6	$15 - 2 =$		28	$19 - 8 =$	
7	$25 - 2 =$		29	$29 - 8 =$	
8	$65 - 2 =$		30	$79 - 8 =$	
9	$4 - 3 =$		31	$8 - 4 =$	
10	$14 - 3 =$		32	$18 - 4 =$	
11	$24 - 3 =$		33	$78 - 4 =$	
12	$84 - 3 =$		34	$89 - 9 =$	
13	$7 - 4 =$		35	$9 - 7 =$	
14	$17 - 4 =$		36	$19 - 7 =$	
15	$27 - 4 =$		37	$79 - 7 =$	
16	$97 - 4 =$		38	$89 - 5 =$	
17	$6 - 5 =$		39	$68 - 6 =$	
18	$16 - 5 =$		40	$48 - 5 =$	
19	$26 - 5 =$		41	$29 - 7 =$	
20	$46 - 5 =$		42	$38 - 6 =$	
21	$23 - 3 =$		43	$59 - 4 =$	
22	$67 - 7 =$		44	$77 - 4 =$	

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A

Correct _____

Find the missing length to make 1 meter.

1	$10 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	23	$\underline{\hspace{1cm}} + 62 \text{ cm} = 1 \text{ m}$
2	$30 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	24	$\underline{\hspace{1cm}} + 72 \text{ cm} = 1 \text{ m}$
3	$50 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	25	$\underline{\hspace{1cm}} + 92 \text{ cm} = 1 \text{ m}$
4	$70 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	26	$\underline{\hspace{1cm}} + 29 \text{ cm} = 1 \text{ m}$
5	$90 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	27	$\underline{\hspace{1cm}} + 39 \text{ cm} = 1 \text{ m}$
6	$80 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	28	$\underline{\hspace{1cm}} + 59 \text{ cm} = 1 \text{ m}$
7	$60 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	29	$\underline{\hspace{1cm}} + 89 \text{ cm} = 1 \text{ m}$
8	$40 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	30	$\underline{\hspace{1cm}} + 88 \text{ cm} = 1 \text{ m}$
9	$20 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	31	$\underline{\hspace{1cm}} + 68 \text{ cm} = 1 \text{ m}$
10	$21 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	32	$\underline{\hspace{1cm}} + 18 \text{ cm} = 1 \text{ m}$
11	$23 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	33	$\underline{\hspace{1cm}} + 15 \text{ cm} = 1 \text{ m}$
12	$25 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	34	$\underline{\hspace{1cm}} + 55 \text{ cm} = 1 \text{ m}$
13	$27 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	35	$44 \text{ cm} + \underline{\hspace{1cm}} = 1 \text{ m}$
14	$37 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	36	$55 \text{ cm} + \underline{\hspace{1cm}} = 1 \text{ m}$
15	$38 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	37	$88 \text{ cm} + \underline{\hspace{1cm}} = 1 \text{ m}$
16	$39 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	38	$1 \text{ m} = \underline{\hspace{1cm}} + 33 \text{ cm}$
17	$49 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	39	$1 \text{ m} = \underline{\hspace{1cm}} + 66 \text{ cm}$
18	$50 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	40	$1 \text{ m} = \underline{\hspace{1cm}} + 99 \text{ cm}$
19	$52 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	41	$1 \text{ m} - 11 \text{ cm} = \underline{\hspace{1cm}}$
20	$56 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	42	$1 \text{ m} - 15 \text{ cm} = \underline{\hspace{1cm}}$
21	$58 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	43	$1 \text{ m} - 17 \text{ cm} = \underline{\hspace{1cm}}$
22	$62 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	44	$1 \text{ m} - 19 \text{ cm} = \underline{\hspace{1cm}}$

B

Correct _____

Find the missing length to make 1 meter.

1	$1 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	23	$\underline{\hspace{1cm}} + 72 \text{ cm} = 1 \text{ m}$
2	$10 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	24	$\underline{\hspace{1cm}} + 82 \text{ cm} = 1 \text{ m}$
3	$20 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	25	$\underline{\hspace{1cm}} + 28 \text{ cm} = 1 \text{ m}$
4	$40 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	26	$\underline{\hspace{1cm}} + 38 \text{ cm} = 1 \text{ m}$
5	$60 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	27	$\underline{\hspace{1cm}} + 48 \text{ cm} = 1 \text{ m}$
6	$80 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	28	$\underline{\hspace{1cm}} + 45 \text{ cm} = 1 \text{ m}$
7	$90 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	29	$\underline{\hspace{1cm}} + 43 \text{ cm} = 1 \text{ m}$
8	$70 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	30	$\underline{\hspace{1cm}} + 34 \text{ cm} = 1 \text{ m}$
9	$50 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	31	$\underline{\hspace{1cm}} + 24 \text{ cm} = 1 \text{ m}$
10	$30 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	32	$\underline{\hspace{1cm}} + 14 \text{ cm} = 1 \text{ m}$
11	$31 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	33	$\underline{\hspace{1cm}} + 12 \text{ cm} = 1 \text{ m}$
12	$33 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	34	$\underline{\hspace{1cm}} + 10 \text{ cm} = 1 \text{ m}$
13	$35 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	35	$11 \text{ cm} + \underline{\hspace{1cm}} = 1 \text{ m}$
14	$37 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	36	$33 \text{ cm} + \underline{\hspace{1cm}} = 1 \text{ m}$
15	$39 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	37	$55 \text{ cm} + \underline{\hspace{1cm}} = 1 \text{ m}$
16	$49 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	38	$1 \text{ m} = \underline{\hspace{1cm}} + 22 \text{ cm}$
17	$59 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	39	$1 \text{ m} = \underline{\hspace{1cm}} + 88 \text{ cm}$
18	$60 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	40	$1 \text{ m} = \underline{\hspace{1cm}} + 99 \text{ cm}$
19	$62 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	41	$1 \text{ m} - 1 \text{ cm} = \underline{\hspace{1cm}}$
20	$66 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	42	$1 \text{ m} - 5 \text{ cm} = \underline{\hspace{1cm}}$
21	$68 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	43	$1 \text{ m} - 7 \text{ cm} = \underline{\hspace{1cm}}$
22	$72 \text{ cm} + \underline{\hspace{1cm}} = 100 \text{ cm}$	44	$1 \text{ m} - 17 \text{ cm} = \underline{\hspace{1cm}}$

A

Subtract.

Correct _____

1	$53 - 2 =$		23	$84 - 40 =$	
2	$65 - 3 =$		24	$80 - 50 =$	
3	$77 - 4 =$		25	$86 - 50 =$	
4	$89 - 5 =$		26	$70 - 60 =$	
5	$99 - 6 =$		27	$77 - 60 =$	
6	$28 - 7 =$		28	$80 - 70 =$	
7	$39 - 8 =$		29	$88 - 70 =$	
8	$31 - 2 =$		30	$48 - 4 =$	
9	$41 - 3 =$		31	$80 - 40 =$	
10	$51 - 4 =$		32	$81 - 40 =$	
11	$61 - 5 =$		33	$46 - 3 =$	
12	$30 - 9 =$		34	$60 - 30 =$	
13	$40 - 8 =$		35	$68 - 30 =$	
14	$50 - 7 =$		36	$67 - 4 =$	
15	$60 - 6 =$		37	$67 - 40 =$	
16	$40 - 30 =$		38	$89 - 6 =$	
17	$41 - 30 =$		39	$89 - 60 =$	
18	$40 - 20 =$		40	$76 - 2 =$	
19	$42 - 20 =$		41	$76 - 20 =$	
20	$80 - 50 =$		42	$54 - 6 =$	
21	$85 - 50 =$		43	$65 - 8 =$	
22	$80 - 40 =$		44	$87 - 9 =$	

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B

Subtract

Improvement _____

Correct _____

1	$43 - 2 =$		23	$94 - 50 =$	
2	$55 - 3 =$		24	$90 - 60 =$	
3	$67 - 4 =$		25	$96 - 60 =$	
4	$79 - 5 =$		26	$80 - 70 =$	
5	$89 - 6 =$		27	$87 - 70 =$	
6	$98 - 7 =$		28	$90 - 80 =$	
7	$29 - 8 =$		29	$98 - 80 =$	
8	$21 - 2 =$		30	$39 - 4 =$	
9	$31 - 3 =$		31	$90 - 40 =$	
10	$41 - 4 =$		32	$91 - 40 =$	
11	$51 - 5 =$		33	$47 - 3 =$	
12	$20 - 9 =$		34	$70 - 30 =$	
13	$30 - 8 =$		35	$78 - 30 =$	
14	$40 - 7 =$		36	$68 - 4 =$	
15	$50 - 6 =$		37	$68 - 40 =$	
16	$30 - 20 =$		38	$89 - 7 =$	
17	$31 - 20 =$		39	$89 - 70 =$	
18	$50 - 30 =$		40	$56 - 2 =$	
19	$52 - 30 =$		41	$56 - 20 =$	
20	$70 - 40 =$		42	$34 - 6 =$	
21	$75 - 40 =$		43	$45 - 8 =$	
22	$90 - 50 =$		44	$57 - 9 =$	

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