

**A**

# Correct \_\_\_\_\_

Multiply.

1	$1 \times 6 =$	6	23	$10 \times 6 =$	60
2	$6 \times 1 =$	6	24	$9 \times 6 =$	54
3	$2 \times 6 =$	12	25	$4 \times 6 =$	24
4	$6 \times 2 =$	12	26	$8 \times 6 =$	48
5	$3 \times 6 =$	18	27	$6 \times 3 =$	18
6	$6 \times 3 =$	18	28	$7 \times 6 =$	42
7	$4 \times 6 =$	24	29	$6 \times 6 =$	36
8	$6 \times 4 =$	24	30	$6 \times 10 =$	60
9	$5 \times 6 =$	30	31	$6 \times 5 =$	30
10	$6 \times 5 =$	30	32	$6 \times 4 =$	24
11	$6 \times 6 =$	36	33	$6 \times 1 =$	6
12	$7 \times 6 =$	42	34	$6 \times 9 =$	54
13	$6 \times 7 =$	42	35	$6 \times 6 =$	36
14	$8 \times 6 =$	48	36	$6 \times 3 =$	18
15	$6 \times 8 =$	48	37	$6 \times 2 =$	12
16	$9 \times 6 =$	54	38	$6 \times 7 =$	42
17	$6 \times 9 =$	54	39	$6 \times 8 =$	48
18	$10 \times 6 =$	60	40	$11 \times 6 =$	66
19	$6 \times 10 =$	60	41	$6 \times 11 =$	66
20	$6 \times 3 =$	18	42	$12 \times 6 =$	72
21	$1 \times 6 =$	6	43	$6 \times 12 =$	72
22	$2 \times 6 =$	12	44	$13 \times 6 =$	78

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COMMON  
CORE

Lesson 3:

Specify and Partition a Whole Into Equal Parts, Identifying and Counting Unit Fractions by Drawing Pictorial Area Models

Date:

1/31/13

engage<sup>ny</sup>

5.A.25

**B**

Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Multiply.

1	$6 \times 1 =$	6	23	$9 \times 6 =$	54
2	$1 \times 6 =$	6	24	$3 \times 6 =$	18
3	$6 \times 2 =$	12	25	$8 \times 6 =$	48
4	$2 \times 6 =$	12	26	$4 \times 6 =$	24
5	$6 \times 3 =$	18	27	$7 \times 6 =$	42
6	$3 \times 6 =$	18	28	$5 \times 6 =$	30
7	$6 \times 4 =$	24	29	$6 \times 6 =$	36
8	$4 \times 6 =$	24	30	$6 \times 5 =$	30
9	$6 \times 5 =$	30	31	$6 \times 10 =$	60
10	$5 \times 6 =$	30	32	$6 \times 1 =$	6
11	$6 \times 6 =$	36	33	$6 \times 6 =$	36
12	$6 \times 7 =$	42	34	$6 \times 4 =$	24
13	$7 \times 6 =$	42	35	$6 \times 9 =$	54
14	$6 \times 8 =$	48	36	$6 \times 2 =$	12
15	$8 \times 6 =$	48	37	$6 \times 7 =$	42
16	$6 \times 9 =$	54	38	$6 \times 3 =$	18
17	$9 \times 6 =$	54	39	$6 \times 8 =$	48
18	$6 \times 10 =$	60	40	$11 \times 6 =$	66
19	$10 \times 6 =$	60	41	$6 \times 11 =$	66
20	$1 \times 6 =$	6	42	$12 \times 6 =$	72
21	$10 \times 6 =$	60	43	$6 \times 12 =$	72
22	$2 \times 6 =$	12	44	$13 \times 6 =$	78

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**A**

# Correct \_\_\_\_\_

Multiply or divide.

1	$2 \times 6 =$	12	23	$\_\_ \times 6 = 60$	10
2	$3 \times 6 =$	18	24	$\_\_ \times 6 = 12$	2
3	$4 \times 6 =$	24	25	$\_\_ \times 6 = 18$	3
4	$5 \times 6 =$	30	26	$60 \div 6 =$	10
5	$1 \times 6 =$	6	27	$30 \div 6 =$	5
6	$12 \div 6 =$	2	28	$6 \div 6 =$	1
7	$18 \div 6 =$	3	29	$12 \div 6 =$	2
8	$30 \div 6 =$	5	30	$18 \div 6 =$	3
9	$6 \div 6 =$	1	31	$\_\_ \times 6 = 36$	6
10	$24 \div 6 =$	4	32	$\_\_ \times 6 = 42$	7
11	$6 \times 6 =$	36	33	$\_\_ \times 6 = 54$	9
12	$7 \times 6 =$	42	34	$\_\_ \times 6 = 48$	8
13	$8 \times 6 =$	48	35	$42 \div 6 =$	7
14	$9 \times 6 =$	54	36	$54 \div 6 =$	9
15	$10 \times 6 =$	60	37	$36 \div 6 =$	6
16	$48 \div 6 =$	8	38	$48 \div 6 =$	8
17	$42 \div 6 =$	7	39	$11 \times 6 =$	66
18	$54 \div 6 =$	9	40	$66 \div 6 =$	11
19	$36 \div 6 =$	6	41	$12 \times 6 =$	72
20	$60 \div 6 =$	10	42	$72 \div 6 =$	12
21	$\_\_ \times 6 = 30$	5	43	$14 \times 6 =$	84
22	$\_\_ \times 6 = 6$	1	44	$84 \div 6 =$	14

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**B**

Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Multiply or divide.

1	$1 \times 6 =$	6	23	$\_\_ \times 6 = 12$	2
2	$2 \times 6 =$	12	24	$\_\_ \times 6 = 60$	10
3	$3 \times 6 =$	18	25	$\_\_ \times 6 = 18$	3
4	$4 \times 6 =$	24	26	$12 \div 6 =$	2
5	$5 \times 6 =$	30	27	$6 \div 6 =$	1
6	$18 \div 6 =$	3	28	$60 \div 6 =$	10
7	$12 \div 6 =$	2	29	$30 \div 6 =$	5
8	$24 \div 6 =$	4	30	$18 \div 6 =$	3
9	$6 \div 6 =$	1	31	$\_\_ \times 6 = 18$	3
10	$30 \div 6 =$	5	32	$\_\_ \times 6 = 24$	4
11	$10 \times 6 =$	60	33	$\_\_ \times 6 = 54$	9
12	$6 \times 6 =$	36	34	$\_\_ \times 6 = 42$	7
13	$7 \times 6 =$	42	35	$48 \div 6 =$	8
14	$8 \times 6 =$	48	36	$54 \div 6 =$	9
15	$9 \times 6 =$	54	37	$36 \div 6 =$	6
16	$42 \div 6 =$	7	38	$42 \div 6 =$	7
17	$36 \div 6 =$	6	39	$11 \times 6 =$	66
18	$48 \div 6 =$	8	40	$66 \div 6 =$	11
19	$60 \div 6 =$	10	41	$12 \times 6 =$	72
20	$54 \div 6 =$	9	42	$72 \div 6 =$	12
21	$\_\_ \times 6 = 6$	1	43	$13 \times 6 =$	78
22	$\_\_ \times 6 = 30$	5	44	$78 \div 6 =$	13

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A

# Correct \_\_\_\_\_

Multiply.

1	$1 \times 7 =$	7	23	$10 \times 7 =$	70
2	$7 \times 1 =$	7	24	$9 \times 7 =$	63
3	$2 \times 7 =$	14	25	$4 \times 7 =$	28
4	$7 \times 2 =$	14	26	$8 \times 7 =$	56
5	$3 \times 7 =$	21	27	$7 \times 3 =$	21
6	$7 \times 3 =$	21	28	$7 \times 7 =$	49
7	$4 \times 7 =$	28	29	$6 \times 7 =$	42
8	$7 \times 4 =$	28	30	$7 \times 10 =$	70
9	$5 \times 7 =$	35	31	$7 \times 5 =$	35
10	$7 \times 5 =$	35	32	$7 \times 6 =$	42
11	$6 \times 7 =$	42	33	$7 \times 1 =$	7
12	$7 \times 6 =$	42	34	$7 \times 9 =$	63
13	$7 \times 7 =$	49	35	$7 \times 4 =$	28
14	$8 \times 7 =$	56	36	$7 \times 3 =$	21
15	$7 \times 8 =$	56	37	$7 \times 2 =$	14
16	$9 \times 7 =$	63	38	$7 \times 7 =$	49
17	$7 \times 9 =$	63	39	$7 \times 8 =$	56
18	$10 \times 7 =$	70	40	$11 \times 7 =$	77
19	$7 \times 10 =$	70	41	$7 \times 11 =$	77
20	$7 \times 3 =$	21	42	$12 \times 7 =$	84
21	$1 \times 7 =$	7	43	$7 \times 12 =$	84
22	$2 \times 7 =$	14	44	$13 \times 7 =$	91

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**B**

Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Multiply.














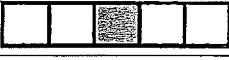






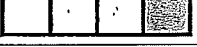





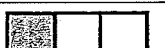
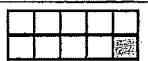

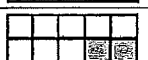














1	$7 \times 1 =$	7	23	$9 \times 7 =$	63
2	$1 \times 7 =$	7	24	$3 \times 7 =$	21
3	$7 \times 2 =$	14	25	$8 \times 7 =$	56
4	$2 \times 7 =$	14	26	$4 \times 7 =$	28
5	$7 \times 3 =$	21	27	$7 \times 7 =$	49
6	$3 \times 7 =$	21	28	$5 \times 7 =$	35
7	$7 \times 4 =$	28	29	$6 \times 7 =$	42
8	$4 \times 7 =$	28	30	$7 \times 5 =$	35
9	$7 \times 5 =$	35	31	$7 \times 10 =$	70
10	$5 \times 7 =$	35	32	$7 \times 1 =$	7
11	$7 \times 6 =$	42	33	$7 \times 6 =$	42
12	$6 \times 7 =$	42	34	$7 \times 4 =$	28
13	$7 \times 7 =$	49	35	$7 \times 9 =$	63
14	$7 \times 8 =$	56	36	$7 \times 2 =$	14
15	$8 \times 7 =$	56	37	$7 \times 7 =$	49
16	$7 \times 9 =$	63	38	$7 \times 3 =$	21
17	$9 \times 7 =$	63	39	$7 \times 8 =$	56
18	$7 \times 10 =$	70	40	$11 \times 7 =$	77
19	$10 \times 7 =$	70	41	$7 \times 11 =$	77
20	$1 \times 7 =$	7	42	$12 \times 7 =$	84
21	$10 \times 7 =$	70	43	$7 \times 12 =$	84
22	$2 \times 7 =$	14	44	$13 \times 7 =$	91

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A

# Correct \_\_\_\_\_

Write the fraction that is shaded.





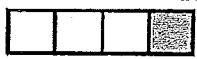





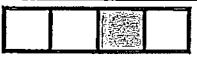












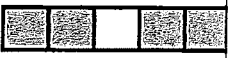




















1		1/2	23		3/4
2		1/3	24		3/4
3		1/4	25		3/4
4		1/2	26		1/2
5		1/3	27		1/2
6		1/4	28		1/5
7		1/2	29		1/5
8		1/3	30		2/5
9		1/4	31		2/5
10		1/2	32		3/5
11		1/4	33		3/5
12		1/3	34		4/5
13		1/3	35		4/5
14		1/3	36		1/10
15		2/3	37		2/10
16		2/3	38		3/10
17		2/3	39		8/10
18		1/4	40		5/10
19		1/4	41		7/10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

**B**

Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Write the fraction that is shaded.

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



A

# Correct \_\_\_\_\_

Multiply.

1	$8 \times 1 =$	8	23	$9 \times 8 =$	72
2	$1 \times 8 =$	8	24	$3 \times 8 =$	24
3	$8 \times 2 =$	16	25	$8 \times 8 =$	64
4	$2 \times 8 =$	16	26	$4 \times 8 =$	32
5	$8 \times 3 =$	24	27	$7 \times 8 =$	56
6	$3 \times 8 =$	24	28	$5 \times 8 =$	40
7	$8 \times 4 =$	32	29	$6 \times 8 =$	48
8	$4 \times 8 =$	32	30	$8 \times 5 =$	40
9	$8 \times 5 =$	40	31	$8 \times 10 =$	80
10	$5 \times 8 =$	40	32	$8 \times 1 =$	8
11	$8 \times 6 =$	48	33	$8 \times 6 =$	48
12	$6 \times 8 =$	48	34	$8 \times 4 =$	32
13	$8 \times 7 =$	56	35	$8 \times 9 =$	72
14	$7 \times 8 =$	56	36	$8 \times 2 =$	16
15	$8 \times 8 =$	64	37	$8 \times 7 =$	56
16	$8 \times 9 =$	72	38	$8 \times 3 =$	24
17	$9 \times 8 =$	72	39	$8 \times 8 =$	64
18	$8 \times 10 =$	80	40	$11 \times 8 =$	88
19	$10 \times 8 =$	80	41	$8 \times 11 =$	88
20	$1 \times 8 =$	8	42	$12 \times 8 =$	96
21	$10 \times 8 =$	80	43	$8 \times 12 =$	96
22	$2 \times 8 =$	16	44	$13 \times 8 =$	104

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**B** Improvement \_\_\_\_\_ # Correct \_\_\_\_\_

Multiply.

1	$1 \times 8 =$	8	23	$10 \times 8 =$	80
2	$8 \times 1 =$	8	24	$9 \times 8 =$	72
3	$2 \times 8 =$	16	25	$4 \times 8 =$	32
4	$8 \times 2 =$	16	26	$8 \times 8 =$	64
5	$3 \times 8 =$	24	27	$8 \times 3 =$	24
6	$8 \times 3 =$	24	28	$7 \times 8 =$	56
7	$4 \times 8 =$	32	29	$6 \times 8 =$	48
8	$8 \times 4 =$	32	30	$8 \times 10 =$	80
9	$5 \times 8 =$	40	31	$8 \times 5 =$	40
10	$8 \times 5 =$	40	32	$8 \times 6 =$	48
11	$6 \times 8 =$	48	33	$8 \times 1 =$	8
12	$8 \times 6 =$	48	34	$8 \times 9 =$	72
13	$7 \times 8 =$	56	35	$8 \times 4 =$	32
14	$8 \times 7 =$	56	36	$8 \times 3 =$	24
15	$8 \times 8 =$	64	37	$8 \times 2 =$	16
16	$9 \times 8 =$	72	38	$8 \times 7 =$	56
17	$8 \times 9 =$	72	39	$8 \times 8 =$	64
18	$10 \times 8 =$	80	40	$11 \times 8 =$	88
19	$8 \times 10 =$	80	41	$8 \times 11 =$	88
20	$8 \times 3 =$	24	42	$12 \times 8 =$	96
21	$1 \times 8 =$	8	43	$8 \times 12 =$	96
22	$2 \times 8 =$	16	44	$13 \times 8 =$	104

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A

# Correct \_\_\_\_\_

Multiply or divide.

1	$2 \times 8 =$	16	23	$\_\_ \times 8 = 80$	10
2	$3 \times 8 =$	24	24	$\_\_ \times 8 = 16$	2
3	$4 \times 8 =$	32	25	$\_\_ \times 8 = 24$	3
4	$5 \times 8 =$	40	26	$80 \div 8 =$	10
5	$1 \times 8 =$	8	27	$40 \div 8 =$	5
6	$16 \div 8 =$	2	28	$8 \div 8 =$	1
7	$24 \div 8 =$	3	29	$16 \div 8 =$	2
8	$40 \div 8 =$	5	30	$24 \div 8 =$	3
9	$8 \div 8 =$	1	31	$\_\_ \times 8 = 48$	6
10	$32 \div 8 =$	4	32	$\_\_ \times 8 = 56$	7
11	$6 \times 8 =$	48	33	$\_\_ \times 8 = 72$	9
12	$7 \times 8 =$	56	34	$\_\_ \times 8 = 64$	8
13	$8 \times 8 =$	64	35	$56 \div 8 =$	7
14	$9 \times 8 =$	72	36	$72 \div 8 =$	9
15	$10 \times 8 =$	80	37	$48 \div 8 =$	6
16	$64 \div 8 =$	8	38	$64 \div 8 =$	8
17	$56 \div 8 =$	7	39	$11 \times 8 =$	88
18	$72 \div 8 =$	9	40	$88 \div 8 =$	11
19	$48 \div 8 =$	6	41	$12 \times 8 =$	96
20	$80 \div 8 =$	10	42	$96 \div 8 =$	12
21	$\_\_ \times 8 = 40$	5	43	$14 \times 8 =$	112
* 22	$\_\_ \times 8 = 1$		44	$112 \div 8 =$	14

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↑  
 $\div$  or change the  
 1 to a multiple of 8



**B**

Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Multiply or divide.

1	$1 \times 8 =$	8	23	$\_\_ \times 8 = 16$	2
2	$2 \times 8 =$	16	24	$\_\_ \times 8 = 80$	10
3	$3 \times 8 =$	24	25	$\_\_ \times 8 = 24$	3
4	$4 \times 8 =$	32	26	$16 \div 8 =$	2
5	$5 \times 8 =$	40	27	$8 \div 8 =$	1
6	$24 \div 8 =$	3	28	$80 \div 8 =$	10
7	$16 \div 8 =$	2	29	$40 \div 8 =$	5
8	$32 \div 8 =$	4	30	$24 \div 8 =$	3
9	$8 \div 8 =$	1	31	$\_\_ \times 8 = 24$	3
10	$40 \div 8 =$	5	32	$\_\_ \times 8 = 32$	4
11	$10 \times 8 =$	80	33	$\_\_ \times 8 = 72$	9
12	$6 \times 8 =$	48	34	$\_\_ \times 8 = 56$	7
13	$7 \times 8 =$	56	35	$64 \div 8 =$	8
14	$8 \times 8 =$	64	36	$72 \div 8 =$	9
15	$9 \times 8 =$	72	37	$48 \div 8 =$	6
16	$56 \div 8 =$	7	38	$56 \div 8 =$	7
17	$48 \div 8 =$	6	39	$11 \times 8 =$	88
18	$64 \div 8 =$	8	40	$88 \div 8 =$	11
19	$80 \div 8 =$	10	41	$12 \times 8 =$	96
20	$72 \div 8 =$	9	42	$96 \div 8 =$	12
21	$\_\_ \times 8 = 8$	1	43	$13 \times 8 =$	104
22	$\_\_ \times 8 = 40$	5	44	$104 \div 8 =$	13

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COMMON CORE

Lesson 10:

Date:

Compare Unit Fractions by Reasoning About Their Size Using Fraction Strips  
2/2/13

engage<sup>ny</sup>

5.C.9



A

# Correct \_\_\_\_\_

Multiply.

1	$9 \times 1 =$	9	23	$9 \times 9 =$	81
2	$1 \times 9 =$	9	24	$3 \times 9 =$	27
3	$9 \times 2 =$	18	25	$8 \times 9 =$	72
4	$2 \times 9 =$	18	26	$4 \times 9 =$	36
5	$9 \times 3 =$	27	27	$7 \times 9 =$	63
6	$3 \times 9 =$	27	28	$5 \times 9 =$	45
7	$9 \times 4 =$	36	29	$6 \times 9 =$	54
8	$4 \times 9 =$	36	30	$9 \times 5 =$	45
9	$9 \times 5 =$	45	31	$9 \times 10 =$	90
10	$5 \times 9 =$	45	32	$9 \times 1 =$	9
11	$9 \times 6 =$	54	33	$9 \times 6 =$	54
12	$6 \times 9 =$	54	34	$9 \times 4 =$	36
13	$9 \times 7 =$	63	35	$9 \times 9 =$	81
14	$7 \times 9 =$	63	36	$9 \times 2 =$	18
15	$9 \times 8 =$	72	37	$9 \times 7 =$	63
16	$8 \times 9 =$	72	38	$9 \times 3 =$	27
17	$9 \times 9 =$	81	39	$9 \times 8 =$	72
18	$9 \times 10 =$	90	40	$11 \times 9 =$	99
19	$10 \times 9 =$	90	41	$9 \times 11 =$	99
20	$1 \times 9 =$	9	42	$12 \times 9 =$	108
21	$10 \times 9 =$	90	43	$9 \times 12 =$	108
22	$2 \times 9 =$	18	44	$13 \times 9 =$	117

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COMMON CORE

Lesson 12:

Date:

Specify the Corresponding Whole when Presented with One Equal Part  
2/2/13

engage<sup>ny</sup>

5.C.33



**B**

Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Multiply.

1	$1 \times 9 =$	9	23	$10 \times 9 =$	90
2	$9 \times 1 =$	9	24	$9 \times 9 =$	81
3	$2 \times 9 =$	18	25	$4 \times 9 =$	36
4	$9 \times 2 =$	18	26	$8 \times 9 =$	72
5	$3 \times 9 =$	27	27	$3 \times 9 =$	27
6	$9 \times 3 =$	27	28	$7 \times 9 =$	63
7	$4 \times 9 =$	36	29	$6 \times 9 =$	54
8	$9 \times 4 =$	36	30	$9 \times 10 =$	90
9	$5 \times 9 =$	45	31	$9 \times 5 =$	45
10	$9 \times 5 =$	45	32	$9 \times 6 =$	54
11	$6 \times 9 =$	54	33	$9 \times 1 =$	9
12	$9 \times 6 =$	54	34	$9 \times 9 =$	81
13	$7 \times 9 =$	63	35	$9 \times 4 =$	36
14	$9 \times 7 =$	63	36	$9 \times 3 =$	27
15	$8 \times 9 =$	72	37	$9 \times 2 =$	18
16	$9 \times 8 =$	72	38	$9 \times 7 =$	63
17	$9 \times 9 =$	81	39	$9 \times 8 =$	72
18	$10 \times 9 =$	90	40	$11 \times 9 =$	99
19	$9 \times 10 =$	90	41	$9 \times 11 =$	99
20	$9 \times 3 =$	27	42	$12 \times 9 =$	108
21	$1 \times 9 =$	9	43	$9 \times 12 =$	108
22	$2 \times 9 =$	18	44	$13 \times 9 =$	117

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COMMON CORE

Lesson 12:

Specify the Corresponding Whole when Presented with One Equal

Part

Date:

2/2/13

engage<sup>ny</sup>

5.C.34



A

# Correct \_\_\_\_\_

Multiply or divide.

1	$2 \times 9 =$	18	23	$\_\_ \times 9 = 90$	10
2	$3 \times 9 =$	27	24	$\_\_ \times 9 = 18$	2
3	$4 \times 9 =$	36	25	$\_\_ \times 9 = 27$	3
4	$5 \times 9 =$	45	26	$90 \div 9 =$	10
5	$1 \times 9 =$	9	27	$45 \div 9 =$	5
6	$18 \div 9 =$	2	28	$9 \div 9 =$	1
7	$27 \div 9 =$	3	29	$18 \div 9 =$	2
8	$45 \div 9 =$	5	30	$27 \div 9 =$	3
9	$9 \div 9 =$	1	31	$\_\_ \times 9 = 54$	6
10	$36 \div 9 =$	4	32	$\_\_ \times 9 = 63$	7
11	$6 \times 9 =$	54	33	$\_\_ \times 9 = 81$	9
12	$7 \times 9 =$	63	34	$\_\_ \times 9 = 72$	8
13	$8 \times 9 =$	72	35	$63 \div 9 =$	7
14	$9 \times 9 =$	81	36	$81 \div 9 =$	9
15	$10 \times 9 =$	90	37	$54 \div 9 =$	6
16	$72 \div 9 =$	8	38	$72 \div 9 =$	8
17	$63 \div 9 =$	7	39	$11 \times 9 =$	99
18	$81 \div 9 =$	9	40	$99 \div 9 =$	11
19	$54 \div 9 =$	6	41	$12 \times 9 =$	108
20	$90 \div 9 =$	10	42	$108 \div 9 =$	12
21	$\_\_ \times 9 = 45$	5	43	$14 \times 9 =$	126
22	$\_\_ \times 9 = 9$	1	44	$126 \div 9 =$	14

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COMMON CORE

Lesson 16:

Place Whole Number Fractions and Unit Fractions Between Whole Numbers on the Number Line

Date:

2/1/13

engage<sup>ny</sup>

5.D.27



**B**

Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Multiply or divide.

1	$1 \times 9 =$	9	23	$\_\_ \times 9 = 18$	2
2	$2 \times 9 =$	18	24	$\_\_ \times 9 = 90$	10
3	$3 \times 9 =$	27	25	$\_\_ \times 9 = 27$	3
4	$4 \times 9 =$	36	26	$18 \div 9 =$	2
5	$5 \times 9 =$	45	27	$9 \div 9 =$	1
6	$27 \div 9 =$	3	28	$90 \div 9 =$	10
7	$18 \div 9 =$	2	29	$45 \div 9 =$	5
8	$36 \div 9 =$	4	30	$27 \div 9 =$	3
9	$9 \div 9 =$	1	31	$\_\_ \times 9 = 27$	3
10	$45 \div 9 =$	5	32	$\_\_ \times 9 = 36$	4
11	$10 \times 9 =$	90	33	$\_\_ \times 9 = 81$	9
12	$6 \times 9 =$	54	34	$\_\_ \times 9 = 63$	7
13	$7 \times 9 =$	63	35	$72 \div 9 =$	8
14	$8 \times 9 =$	72	36	$81 \div 9 =$	9
15	$9 \times 9 =$	81	37	$54 \div 9 =$	6
16	$63 \div 9 =$	7	38	$63 \div 9 =$	7
17	$54 \div 9 =$	6	39	$11 \times 9 =$	99
18	$72 \div 9 =$	8	40	$99 \div 9 =$	11
19	$90 \div 9 =$	10	41	$12 \times 9 =$	108
20	$81 \div 9 =$	9	42	$108 \div 9 =$	12
21	$\_\_ \times 9 = 9$	1	43	$13 \times 9 =$	117
22	$\_\_ \times 9 = 45$	5	44	$117 \div 9 =$	13

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COMMON CORE

Lesson 16:

Place Whole Number Fractions and Unit Fractions Between Whole Numbers on the Number Line

Date:

2/1/13

engage<sup>ny</sup>

5.D.28





A

# Correct \_\_\_\_\_

Divide.

1	$3 \div 3 =$	1	23	$24 \div 3 =$	8
2	$4 \div 4 =$	1	24	$16 \div 2 =$	8
3	$5 \div 5 =$	1	25	$30 \div 10 =$	3
4	$19 \div 19 =$	1	26	$30 \div 3 =$	10
5	$0 \div 1 =$	0	27	$27 \div 3 =$	9
6	$0 \div 2 =$	0	28	$18 \div 2 =$	9
7	$0 \div 3 =$	0	29	$40 \div 10 =$	4
8	$0 \div 19 =$	0	30	$40 \div 4 =$	10
9	$6 \div 3 =$	2	31	$20 \div 4 =$	5
10	$9 \div 3 =$	3	32	$20 \div 5 =$	4
11	$12 \div 3 =$	4	33	$24 \div 4 =$	6
12	$15 \div 3 =$	5	34	$30 \div 5 =$	6
13	$4 \div 2 =$	2	35	$28 \div 4 =$	7
14	$6 \div 2 =$	3	36	$40 \div 5 =$	8
15	$8 \div 2 =$	4	37	$32 \div 4 =$	8
16	$10 \div 2 =$	5	38	$45 \div 5 =$	9
17	$18 \div 3 =$	6	39	$44 \div 4 =$	11
18	$12 \div 2 =$	6	40	$36 \div 4 =$	9
19	$21 \div 3 =$	7	41	$48 \div 6 =$	8
20	$14 \div 2 =$	7	42	$63 \div 7 =$	9
21	$20 \div 10 =$	2	43	$64 \div 8 =$	8
22	$20 \div 2 =$	10	44	$72 \div 9 =$	8

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**B**

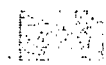
Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Divide.

1	$2 \div 2 =$	1	23	$16 \div 2 =$	8
2	$3 \div 3 =$	1	24	$24 \div 3 =$	8
3	$4 \div 4 =$	1	25	$30 \div 3 =$	10
4	$17 \div 17 =$	1	26	$30 \div 10 =$	3
5	$0 \div 2 =$	0	27	$18 \div 2 =$	9
6	$0 \div 3 =$	0	28	$27 \div 3 =$	9
7	$0 \div 4 =$	0	29	$40 \div 4 =$	10
8	$0 \div 17 =$	0	30	$40 \div 10 =$	4
9	$4 \div 2 =$	2	31	$20 \div 5 =$	4
10	$6 \div 2 =$	3	32	$20 \div 4 =$	5
11	$8 \div 2 =$	4	33	$30 \div 5 =$	6
12	$10 \div 2 =$	5	34	$24 \div 4 =$	6
13	$6 \div 3 =$	2	35	$40 \div 5 =$	8
14	$9 \div 3 =$	3	36	$28 \div 4 =$	7
15	$12 \div 3 =$	4	37	$45 \div 5 =$	9
16	$15 \div 3 =$	5	38	$32 \div 4 =$	8
17	$12 \div 2 =$	6	39	$55 \div 5 =$	11
18	$18 \div 3 =$	6	40	$36 \div 4 =$	9
19	$14 \div 2 =$	7	41	$54 \div 6 =$	9
20	$21 \div 3 =$	7	42	$56 \div 7 =$	8
21	$20 \div 2 =$	10	43	$72 \div 8 =$	9
22	$20 \div 10 =$	2	44	$63 \div 9 =$	7

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A

# Correct \_\_\_\_\_

Write each fraction as a whole number.

1	$\frac{2}{1} =$	2	23	$\frac{6}{3} =$	2
2	$\frac{2}{2} =$	1	24	$\frac{3}{3} =$	1
3	$\frac{4}{2} =$	2	25	$\frac{3}{1} =$	3
4	$\frac{6}{2} =$	3	26	$\frac{9}{3} =$	3
5	$\frac{10}{2} =$	5	27	$\frac{16}{4} =$	4
6	$\frac{8}{2} =$	4	28	$\frac{20}{4} =$	5
7	$\frac{5}{1} =$	5	29	$\frac{12}{3} =$	4
8	$\frac{5}{5} =$	1	30	$\frac{15}{3} =$	5
9	$\frac{10}{5} =$	2	31	$\frac{70}{10} =$	7
10	$\frac{15}{5} =$	3	32	$\frac{12}{2} =$	6
11	$\frac{25}{5} =$	5	33	$\frac{14}{2} =$	7
12	$\frac{20}{5} =$	4	34	$\frac{90}{10} =$	9
13	$\frac{10}{10} =$	1	35	$\frac{30}{5} =$	6
14	$\frac{50}{10} =$	5	36	$\frac{35}{5} =$	7
15	$\frac{30}{10} =$	3	37	$\frac{60}{10} =$	6
16	$\frac{10}{1} =$	10	38	$\frac{18}{2} =$	9
17	$\frac{20}{10} =$	2	39	$\frac{40}{5} =$	8
18	$\frac{40}{10} =$	4	40	$\frac{80}{10} =$	8
19	$\frac{8}{4} =$	2	41	$\frac{16}{2} =$	8
20	$\frac{4}{4} =$	1	42	$\frac{45}{5} =$	9
21	$\frac{4}{1} =$	4	43	$\frac{27}{3} =$	9
22	$\frac{12}{4} =$	3	44	$\frac{32}{4} =$	8

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COMMON CORE

Lesson 19:

Optional Lesson: Understand Distance and Position on the Number Line as Strategies for Comparing Fractions

Date:

2/1/13

engage<sup>ny</sup>

5.D.59

B Improvement \_\_\_\_\_ # Correct \_\_\_\_\_

Write each fraction as a whole number.

1	$\frac{5}{1} =$	5	23	$\frac{8}{4} =$	2
2	$\frac{5}{5} =$	1	24	$\frac{4}{4} =$	1
3	$\frac{10}{5} =$	2	25	$\frac{4}{1} =$	4
4	$\frac{15}{5} =$	3	26	$\frac{12}{4} =$	3
5	$\frac{25}{5} =$	5	27	$\frac{12}{3} =$	4
6	$\frac{20}{5} =$	4	28	$\frac{15}{3} =$	5
7	$\frac{2}{1} =$	2	29	$\frac{16}{4} =$	4
8	$\frac{2}{2} =$	1	30	$\frac{20}{4} =$	5
9	$\frac{4}{2} =$	2	31	$\frac{90}{10} =$	9
10	$\frac{6}{2} =$	3	32	$\frac{30}{5} =$	6
11	$\frac{10}{2} =$	5	33	$\frac{35}{5} =$	7
12	$\frac{8}{2} =$	4	34	$\frac{70}{10} =$	7
13	$\frac{10}{1} =$	10	35	$\frac{12}{2} =$	6
14	$\frac{10}{10} =$	1	36	$\frac{14}{2} =$	7
15	$\frac{50}{10} =$	5	37	$\frac{80}{10} =$	8
16	$\frac{30}{10} =$	3	38	$\frac{45}{5} =$	9
17	$\frac{20}{10} =$	2	39	$\frac{16}{2} =$	8
18	$\frac{40}{10} =$	4	40	$\frac{60}{10} =$	6
19	$\frac{6}{3} =$	2	41	$\frac{18}{2} =$	9
20	$\frac{3}{3} =$	1	42	$\frac{40}{5} =$	8
21	$\frac{3}{1} =$	3	43	$\frac{36}{4} =$	9
22	$\frac{9}{3} =$	3	44	$\frac{24}{3} =$	8

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COMMON CORE

Lesson 19:

Optional Lesson: Understand Distance and Position on the Number Line as Strategies for Comparing Fractions

Date:

2/1/13

engage<sup>ny</sup>

5.D.60



$7 \times 1 = \underline{7}$      $7 \times 2 = \underline{14}$      $7 \times 3 = \underline{21}$      $7 \times 4 = \underline{28}$

$7 \times 5 = \underline{35}$      $7 \times 1 = \underline{7}$      $7 \times 2 = \underline{14}$      $7 \times 1 = \underline{7}$

$7 \times 3 = \underline{21}$      $7 \times 1 = \underline{7}$      $7 \times 4 = \underline{28}$      $7 \times 1 = \underline{7}$

$7 \times 5 = \underline{35}$      $7 \times 1 = \underline{7}$      $7 \times 2 = \underline{14}$      $7 \times 3 = \underline{21}$

$7 \times 2 = \underline{14}$      $7 \times 4 = \underline{28}$      $7 \times 2 = \underline{14}$      $7 \times 5 = \underline{35}$

$7 \times 2 = \underline{14}$      $7 \times 1 = \underline{7}$      $7 \times 2 = \underline{14}$      $7 \times 3 = \underline{21}$

$7 \times 1 = \underline{7}$      $7 \times 3 = \underline{21}$      $7 \times 2 = \underline{14}$      $7 \times 3 = \underline{21}$

$7 \times 4 = \underline{28}$      $7 \times 3 = \underline{21}$      $7 \times 5 = \underline{35}$      $7 \times 3 = \underline{21}$

$7 \times 4 = \underline{28}$      $7 \times 1 = \underline{7}$      $7 \times 4 = \underline{28}$      $7 \times 2 = \underline{14}$

$7 \times 4 = \underline{28}$      $7 \times 3 = \underline{21}$      $7 \times 4 = \underline{28}$      $7 \times 5 = \underline{35}$

$7 \times 4 = \underline{28}$      $7 \times 5 = \underline{35}$      $7 \times 1 = \underline{7}$      $7 \times 5 = \underline{35}$

$7 \times 2 = \underline{14}$      $7 \times 5 = \underline{35}$      $7 \times 3 = \underline{21}$      $7 \times 5 = \underline{35}$

$7 \times 4 = \underline{28}$      $7 \times 2 = \underline{14}$      $7 \times 4 = \underline{28}$      $7 \times 3 = \underline{21}$

$7 \times 5 = \underline{35}$      $7 \times 3 = \underline{21}$      $7 \times 2 = \underline{14}$      $7 \times 4 = \underline{28}$

$7 \times 3 = \underline{21}$      $7 \times 5 = \underline{35}$      $7 \times 2 = \underline{14}$      $7 \times 4 = \underline{28}$





7 x 1 = 7    7 x 2 = 14    7 x 3 = 21    7 x 4 = 28

7 x 5 = 35    7 x 6 = 42    7 x 7 = 49    7 x 8 = 56

7 x 9 = 63    7 x 10 = 70    7 x 5 = 35    7 x 6 = 42

7 x 5 = 35    7 x 7 = 49    7 x 5 = 35    7 x 8 = 56

7 x 5 = 35    7 x 9 = 63    7 x 5 = 35    7 x 10 = 70

7 x 6 = 42    7 x 5 = 35    7 x 6 = 42    7 x 7 = 49

7 x 6 = 42    7 x 8 = 56    7 x 6 = 42    7 x 9 = 63

7 x 6 = 42    7 x 7 = 49    7 x 6 = 42    7 x 7 = 49

7 x 8 = 56    7 x 7 = 49    7 x 9 = 63    7 x 7 = 49

7 x 8 = 56    7 x 6 = 42    7 x 8 = 56    7 x 7 = 49

7 x 8 = 56    7 x 9 = 63    7 x 9 = 63    7 x 6 = 42

7 x 9 = 63    7 x 7 = 49    7 x 9 = 63    7 x 8 = 56

7 x 9 = 63    7 x 8 = 56    7 x 6 = 42    7 x 9 = 63

7 x 7 = 49    7 x 9 = 63    7 x 6 = 42    7 x 8 = 56

7 x 9 = 63    7 x 7 = 49    7 x 6 = 42    7 x 8 = 56





A

# Correct \_\_\_\_\_

Add.

1	$0 + 6 =$	6	23	$7 + 6 =$	13
2	$1 + 6 =$	7	24	$17 + 6 =$	23
3	$2 + 6 =$	8	25	$27 + 6 =$	33
4	$3 + 6 =$	9	26	$37 + 6 =$	43
5	$4 + 6 =$	10	27	$47 + 6 =$	53
6	$6 + 4 =$	10	28	$77 + 6 =$	83
7	$6 + 3 =$	9	29	$8 + 6 =$	14
8	$6 + 2 =$	8	30	$18 + 6 =$	24
9	$6 + 1 =$	7	31	$28 + 6 =$	34
10	$6 + 0 =$	6	32	$38 + 6 =$	44
11	$15 + 6 =$	21	33	$48 + 6 =$	54
12	$25 + 6 =$	31	34	$78 + 6 =$	84
13	$35 + 6 =$	41	35	$9 + 6 =$	15
14	$45 + 6 =$	51	36	$19 + 6 =$	25
15	$55 + 6 =$	61	37	$29 + 6 =$	35
16	$85 + 6 =$	91	38	$39 + 6 =$	45
17	$6 + 6 =$	12	39	$89 + 6 =$	95
18	$16 + 6 =$	22	40	$6 + 75 =$	81
19	$26 + 6 =$	32	41	$6 + 56 =$	62
20	$36 + 6 =$	42	42	$6 + 77 =$	83
21	$46 + 6 =$	52	43	$6 + 88 =$	94
22	$76 + 6 =$	82	44	$6 + 99 =$	105

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Lesson 23:  
Date:

Day 2 of Lesson 22  
2/1/13

engage<sup>ny</sup>

5.E.39



B Improvement \_\_\_\_\_ # Correct \_\_\_\_\_

Add.					
1	$6 + 0 =$	6	23	$7 + 6 =$	13
2	$6 + 1 =$	7	24	$17 + 6 =$	23
3	$6 + 2 =$	8	25	$27 + 6 =$	33
4	$6 + 3 =$	9	26	$37 + 6 =$	43
5	$6 + 4 =$	10	27	$47 + 6 =$	53
6	$4 + 6 =$	10	28	$67 + 6 =$	73
7	$3 + 6 =$	9	29	$8 + 6 =$	14
8	$2 + 6 =$	8	30	$18 + 6 =$	24
9	$1 + 6 =$	7	31	$28 + 6 =$	34
10	$0 + 6 =$	6	32	$38 + 6 =$	44
11	$5 + 6 =$	11	33	$48 + 6 =$	54
12	$15 + 6 =$	21	34	$88 + 6 =$	94
13	$25 + 6 =$	31	35	$9 + 6 =$	15
14	$35 + 6 =$	41	36	$19 + 6 =$	25
15	$45 + 6 =$	51	37	$29 + 6 =$	35
16	$75 + 6 =$	81	38	$39 + 6 =$	45
17	$6 + 6 =$	12	39	$79 + 6 =$	85
18	$16 + 6 =$	22	40	$6 + 55 =$	61
19	$26 + 6 =$	32	41	$6 + 76 =$	82
20	$36 + 6 =$	42	42	$6 + 57 =$	63
21	$46 + 6 =$	52	43	$6 + 98 =$	104
22	$86 + 6 =$	92	44	$6 + 89 =$	95

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A

# Correct \_\_\_\_\_

Add.					
1	$0 + 7 =$	7	23	$6 + 7 =$	13
2	$1 + 7 =$	8	24	$16 + 7 =$	23
3	$2 + 7 =$	9	25	$26 + 7 =$	33
4	$3 + 7 =$	10	26	$36 + 7 =$	43
5	$7 + 3 =$	10	27	$46 + 7 =$	53
6	$7 + 2 =$	9	28	$66 + 7 =$	73
7	$7 + 1 =$	8	29	$7 + 7 =$	14
8	$7 + 0 =$	7	30	$17 + 7 =$	24
9	$4 + 7 =$	11	31	$27 + 7 =$	34
10	$14 + 7 =$	21	32	$37 + 7 =$	44
11	$24 + 7 =$	31	33	$87 + 7 =$	94
12	$34 + 7 =$	41	34	$8 + 7 =$	15
13	$44 + 7 =$	51	35	$18 + 7 =$	25
14	$84 + 7 =$	91	36	$28 + 7 =$	35
15	$64 + 7 =$	71	37	$38 + 7 =$	45
16	$5 + 7 =$	12	38	$78 + 7 =$	85
17	$15 + 7 =$	22	39	$9 + 7 =$	16
18	$25 + 7 =$	32	40	$19 + 7 =$	26
19	$35 + 7 =$	42	41	$29 + 7 =$	36
20	$45 + 7 =$	52	42	$39 + 7 =$	46
21	$75 + 7 =$	82	43	$49 + 7 =$	56
22	$55 + 7 =$	62	44	$79 + 7 =$	86

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COMMON CORE

Lesson 24:

Express Whole Numbers as Fractions and Recognize Equivalence with Different Units

Date:

2/2/13

engage<sup>ny</sup>

5.E.51



B Add. Improvement \_\_\_\_\_ # Correct \_\_\_\_\_

1	$7 + 0 =$	7	23	$6 + 7 =$	13
2	$7 + 1 =$	8	24	$16 + 7 =$	23
3	$7 + 2 =$	9	25	$26 + 7 =$	33
4	$7 + 3 =$	10	26	$36 + 7 =$	43
5	$3 + 7 =$	10	27	$46 + 7 =$	53
6	$2 + 7 =$	9	28	$76 + 7 =$	83
7	$1 + 7 =$	8	29	$7 + 7 =$	14
8	$0 + 7 =$	7	30	$17 + 7 =$	24
9	$4 + 7 =$	11	31	$27 + 7 =$	34
10	$14 + 7 =$	21	32	$37 + 7 =$	44
11	$24 + 7 =$	31	33	$67 + 7 =$	74
12	$34 + 7 =$	41	34	$8 + 7 =$	15
13	$44 + 7 =$	51	35	$18 + 7 =$	25
14	$74 + 7 =$	81	36	$28 + 7 =$	35
15	$54 + 7 =$	61	37	$38 + 7 =$	45
16	$5 + 7 =$	12	38	$88 + 7 =$	95
17	$15 + 7 =$	22	39	$9 + 7 =$	16
18	$25 + 7 =$	32	40	$19 + 7 =$	26
19	$35 + 7 =$	42	41	$29 + 7 =$	36
20	$45 + 7 =$	52	42	$39 + 7 =$	46
21	$85 + 7 =$	92	43	$49 + 7 =$	56
22	$65 + 7 =$	72	44	$89 + 7 =$	96

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A

# Correct \_\_\_\_\_

Subtract.

1	$16 - 6 =$	10	23	$23 - 6 =$	17
2	$6 - 6 =$	0	24	$33 - 6 =$	27
3	$26 - 6 =$	20	25	$63 - 6 =$	57
4	$7 - 6 =$	1	26	$83 - 6 =$	77
5	$17 - 6 =$	11	27	$14 - 6 =$	8
6	$37 - 6 =$	31	28	$24 - 6 =$	18
7	$8 - 6 =$	2	29	$34 - 6 =$	28
8	$18 - 6 =$	12	30	$74 - 6 =$	68
9	$48 - 6 =$	42	31	$54 - 6 =$	48
10	$9 - 6 =$	3	32	$15 - 6 =$	9
11	$19 - 6 =$	13	33	$25 - 6 =$	19
12	$59 - 6 =$	53	34	$35 - 6 =$	29
13	$10 - 6 =$	4	35	$85 - 6 =$	79
14	$20 - 6 =$	14	36	$65 - 6 =$	59
15	$70 - 6 =$	64	37	$90 - 6 =$	84
16	$11 - 6 =$	5	38	$53 - 6 =$	47
17	$21 - 6 =$	15	39	$42 - 6 =$	36
18	$81 - 6 =$	75	40	$71 - 6 =$	65
19	$12 - 6 =$	6	41	$74 - 6 =$	68
20	$22 - 6 =$	16	42	$95 - 6 =$	89
21	$82 - 6 =$	76	43	$51 - 6 =$	45
22	$13 - 6 =$	7	44	$92 - 6 =$	86

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COMMON CORE

Lesson 25:

Express Whole Number Fractions on the Number Line When the Unit Interval is 1

Date:

2/1/13

engage<sup>ny</sup>

5.E.64



B Improvement \_\_\_\_\_ # Correct \_\_\_\_\_

Subtract.					
1	$6 - 6 =$	0	23	$23 - 6 =$	17
2	$16 - 6 =$	10	24	$33 - 6 =$	27
3	$26 - 6 =$	20	25	$53 - 6 =$	47
4	$7 - 6 =$	1	26	$73 - 6 =$	67
5	$17 - 6 =$	11	27	$14 - 6 =$	8
6	$67 - 6 =$	61	28	$24 - 6 =$	18
7	$8 - 6 =$	2	29	$34 - 6 =$	28
8	$18 - 6 =$	12	30	$64 - 6 =$	58
9	$78 - 6 =$	72	31	$44 - 6 =$	38
10	$9 - 6 =$	3	32	$15 - 6 =$	9
11	$19 - 6 =$	13	33	$25 - 6 =$	19
12	$89 - 6 =$	83	34	$35 - 6 =$	29
13	$10 - 6 =$	4	35	$75 - 6 =$	69
14	$20 - 6 =$	14	36	$55 - 6 =$	49
15	$90 - 6 =$	84	37	$70 - 6 =$	64
16	$11 - 6 =$	5	38	$63 - 6 =$	57
17	$21 - 6 =$	15	39	$52 - 6 =$	46
18	$41 - 6 =$	35	40	$81 - 6 =$	75
19	$12 - 6 =$	6	41	$64 - 6 =$	58
20	$22 - 6 =$	16	42	$85 - 6 =$	79
21	$42 - 6 =$	36	43	$91 - 6 =$	85
22	$13 - 6 =$	7	44	$52 - 6 =$	46

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A

# Correct \_\_\_\_\_

Add.					
1	$0 + 8 =$	8	23	$65 + 8 =$	73
2	$1 + 8 =$	9	24	$6 + 8 =$	14
3	$2 + 8 =$	10	25	$16 + 8 =$	24
4	$8 + 2 =$	10	26	$26 + 8 =$	34
5	$1 + 8 =$	9	27	$36 + 8 =$	44
6	$0 + 8 =$	8	28	$86 + 8 =$	94
7	$3 + 8 =$	11	29	$46 + 8 =$	54
8	$13 + 8 =$	21	30	$7 + 8 =$	15
9	$23 + 8 =$	31	31	$17 + 8 =$	25
10	$33 + 8 =$	41	32	$27 + 8 =$	35
11	$43 + 8 =$	51	33	$37 + 8 =$	45
12	$83 + 8 =$	91	34	$77 + 8 =$	85
13	$4 + 8 =$	12	35	$8 + 8 =$	16
14	$14 + 8 =$	22	36	$18 + 8 =$	26
15	$24 + 8 =$	32	37	$28 + 8 =$	36
16	$34 + 8 =$	42	38	$38 + 8 =$	46
17	$44 + 8 =$	52	39	$68 + 8 =$	76
18	$74 + 8 =$	82	40	$9 + 8 =$	17
19	$5 + 8 =$	13	41	$19 + 8 =$	27
20	$15 + 8 =$	23	42	$29 + 8 =$	37
21	$25 + 8 =$	33	43	$39 + 8 =$	47
22	$35 + 8 =$	43	44	$89 + 8 =$	97

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**B** Add. Improvement \_\_\_\_\_ # Correct \_\_\_\_\_

1	$8 + 0 =$	8	23	$55 + 8 =$	63
2	$8 + 1 =$	9	24	$6 + 8 =$	14
3	$8 + 2 =$	10	25	$16 + 8 =$	24
4	$2 + 8 =$	10	26	$26 + 8 =$	34
5	$1 + 8 =$	9	27	$36 + 8 =$	44
6	$0 + 8 =$	8	28	$66 + 8 =$	74
7	$3 + 8 =$	11	29	$56 + 8 =$	64
8	$13 + 8 =$	21	30	$7 + 8 =$	15
9	$23 + 8 =$	31	31	$17 + 8 =$	25
10	$33 + 8 =$	41	32	$27 + 8 =$	35
11	$43 + 8 =$	51	33	$37 + 8 =$	45
12	$73 + 8 =$	81	34	$67 + 8 =$	75
13	$4 + 8 =$	12	35	$8 + 8 =$	16
14	$14 + 8 =$	22	36	$18 + 8 =$	26
15	$24 + 8 =$	32	37	$28 + 8 =$	36
16	$34 + 8 =$	42	38	$38 + 8 =$	46
17	$44 + 8 =$	52	39	$78 + 8 =$	86
18	$84 + 8 =$	92	40	$9 + 8 =$	17
19	$5 + 8 =$	13	41	$19 + 8 =$	27
20	$15 + 8 =$	23	42	$29 + 8 =$	37
21	$25 + 8 =$	33	43	$39 + 8 =$	47
22	$35 + 8 =$	43	44	$89 + 8 =$	97

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A

# Correct \_\_\_\_\_

Subtract.

1	$17 - 7 =$	10	23	$24 - 7 =$	17
2	$7 - 7 =$	0	24	$34 - 7 =$	27
3	$27 - 7 =$	20	25	$64 - 7 =$	57
4	$8 - 7 =$	1	26	$84 - 7 =$	77
5	$18 - 7 =$	11	27	$15 - 7 =$	8
6	$38 - 7 =$	31	28	$25 - 7 =$	18
7	$9 - 7 =$	2	29	$35 - 7 =$	28
8	$19 - 7 =$	12	30	$75 - 7 =$	68
9	$49 - 7 =$	42	31	$55 - 7 =$	48
10	$10 - 7 =$	3	32	$16 - 7 =$	9
11	$20 - 7 =$	13	33	$26 - 7 =$	19
12	$60 - 7 =$	53	34	$36 - 7 =$	29
13	$11 - 7 =$	4	35	$86 - 7 =$	79
14	$21 - 7 =$	14	36	$66 - 7 =$	59
15	$71 - 7 =$	64	37	$90 - 7 =$	83
16	$12 - 7 =$	5	38	$53 - 7 =$	46
17	$22 - 7 =$	15	39	$42 - 7 =$	<del>35</del> 35
18	$82 - 7 =$	75	40	$71 - 7 =$	64
19	$13 - 7 =$	6	41	$74 - 7 =$	67
20	$23 - 7 =$	16	42	$56 - 7 =$	49
21	$83 - 7 =$	76	43	$95 - 7 =$	88
22	$14 - 7 =$	7	44	$92 - 7 =$	85

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COMMON CORE

Lesson 27:

Explain Equivalence by Manipulating Units and Reasoning About Their Size

Date:

2/1/13

engage<sup>ny</sup>

5.E.88







A

# Correct \_\_\_\_\_

Subtract.

1	$18 - 8 =$	10	23	$74 - 8 =$	66
2	$8 - 8 =$	0	24	$15 - 8 =$	7
3	$28 - 8 =$	20	25	$25 - 8 =$	17
4	$9 - 8 =$	1	26	$35 - 8 =$	27
5	$19 - 8 =$	11	27	$85 - 8 =$	77
6	$39 - 8 =$	31	28	$65 - 8 =$	57
7	$10 - 8 =$	2	29	$16 - 8 =$	8
8	$20 - 8 =$	12	30	$26 - 8 =$	18
9	$50 - 8 =$	42	31	$36 - 8 =$	28
10	$11 - 8 =$	3	32	$96 - 8 =$	88
11	$21 - 8 =$	13	33	$76 - 8 =$	68
12	$71 - 8 =$	63	34	$17 - 8 =$	9
13	$12 - 8 =$	4	35	$27 - 8 =$	19
14	$22 - 8 =$	14	36	$37 - 8 =$	29
15	$82 - 8 =$	74	37	$87 - 8 =$	79
16	$13 - 8 =$	5	38	$67 - 8 =$	59
17	$23 - 8 =$	15	39	$70 - 8 =$	62
18	$83 - 8 =$	75	40	$62 - 8 =$	54
19	$14 - 8 =$	6	41	$84 - 8 =$	76
20	$24 - 8 =$	16	42	$66 - 8 =$	58
21	$34 - 8 =$	26	43	$91 - 8 =$	83
22	$54 - 8 =$	46	44	$75 - 8 =$	67

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COMMON CORE

Lesson 28:  
Date:

Compare Fractions with the Same Numerator Pictorially  
2/1/13

engage<sup>ny</sup>

5.F.6



**B**

Improvement \_\_\_\_\_

# Correct \_\_\_\_\_

Subtract.

1	$8 - 8 =$	0	23	$94 - 8 =$	86
2	$18 - 8 =$	10	24	$15 - 8 =$	7
3	$28 - 8 =$	20	25	$25 - 8 =$	17
4	$9 - 8 =$	1	26	$35 - 8 =$	27
5	$19 - 8 =$	11	27	$95 - 8 =$	87
6	$69 - 8 =$	61	28	$75 - 8 =$	67
7	$10 - 8 =$	2	29	$16 - 8 =$	8
8	$20 - 8 =$	12	30	$26 - 8 =$	18
9	$60 - 8 =$	52	31	$36 - 8 =$	28
10	$11 - 8 =$	3	32	$66 - 8 =$	58
11	$21 - 8 =$	13	33	$46 - 8 =$	38
12	$81 - 8 =$	73	34	$17 - 8 =$	9
13	$12 - 8 =$	4	35	$27 - 8 =$	19
14	$22 - 8 =$	14	36	$37 - 8 =$	29
15	$52 - 8 =$	44	37	$97 - 8 =$	89
16	$13 - 8 =$	5	38	$77 - 8 =$	69
17	$23 - 8 =$	15	39	$80 - 8 =$	72
18	$93 - 8 =$	85	40	$71 - 8 =$	63
19	$14 - 8 =$	6	41	$53 - 8 =$	45
20	$24 - 8 =$	16	42	$45 - 8 =$	37
21	$34 - 8 =$	26	43	$87 - 8 =$	79
22	$74 - 8 =$	66	44	$54 - 8 =$	46

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Lesson 28:  
Date:

Compare Fractions with the Same Numerator Pictorially  
2/1/13

engage<sup>ny</sup>

5.F.7

$8 \times 1 = 8$	$8 \times 2 = 16$	$8 \times 3 = 24$	$8 \times 4 = 32$
$8 \times 5 = 40$	$8 \times 1 = 8$	$8 \times 2 = 16$	$8 \times 1 = 8$
$8 \times 3 = 24$	$8 \times 1 = 8$	$8 \times 4 = 32$	$8 \times 1 = 8$
$8 \times 5 = 40$	$8 \times 1 = 8$	$8 \times 2 = 16$	$8 \times 3 = 24$
$8 \times 2 = 16$	$8 \times 4 = 32$	$8 \times 2 = 16$	$8 \times 5 = 40$
$8 \times 2 = 16$	$8 \times 1 = 8$	$8 \times 2 = 16$	$8 \times 3 = 24$
$8 \times 1 = 8$	$8 \times 3 = 24$	$8 \times 2 = 16$	$8 \times 3 = 24$
$8 \times 4 = 32$	$8 \times 3 = 24$	$8 \times 5 = 40$	$8 \times 3 = 24$
$8 \times 4 = 32$	$8 \times 1 = 8$	$8 \times 4 = 32$	$8 \times 2 = 16$
$8 \times 4 = 32$	$8 \times 3 = 24$	$8 \times 4 = 32$	$8 \times 5 = 40$
$8 \times 4 = 32$	$8 \times 5 = 40$	$8 \times 1 = 8$	$8 \times 5 = 40$
$8 \times 2 = 16$	$8 \times 5 = 40$	$8 \times 3 = 24$	$8 \times 5 = 40$
$8 \times 4 = 32$	$8 \times 2 = 16$	$8 \times 4 = 32$	$8 \times 3 = 24$
$8 \times 5 = 40$	$8 \times 3 = 24$	$8 \times 2 = 16$	$8 \times 4 = 32$
$8 \times 3 = 24$	$8 \times 5 = 40$	$8 \times 2 = 16$	$8 \times 4 = 32$

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$8 \times 1 = \underline{8}$	$8 \times 2 = \underline{16}$	$8 \times 3 = \underline{24}$	$8 \times 4 = \underline{32}$
$8 \times 5 = \underline{40}$	$8 \times 6 = \underline{48}$	$8 \times 7 = \underline{56}$	$8 \times 8 = \underline{64}$
$8 \times 9 = \underline{72}$	$8 \times 10 = \underline{80}$	$8 \times 5 = \underline{40}$	$8 \times 6 = \underline{48}$
$8 \times 5 = \underline{40}$	$8 \times 7 = \underline{56}$	$8 \times 5 = \underline{40}$	$8 \times 8 = \underline{64}$
$8 \times 5 = \underline{40}$	$8 \times 9 = \underline{72}$	$8 \times 5 = \underline{40}$	$8 \times 10 = \underline{80}$
$8 \times 6 = \underline{48}$	$8 \times 5 = \underline{40}$	$8 \times 6 = \underline{48}$	$8 \times 7 = \underline{56}$
$8 \times 6 = \underline{48}$	$8 \times 8 = \underline{64}$	$8 \times 6 = \underline{48}$	$8 \times 9 = \underline{72}$
$8 \times 6 = \underline{48}$	$8 \times 7 = \underline{56}$	$8 \times 6 = \underline{48}$	$8 \times 7 = \underline{56}$
$8 \times 8 = \underline{64}$	$8 \times 7 = \underline{56}$	$8 \times 9 = \underline{72}$	$8 \times 7 = \underline{56}$
$8 \times 8 = \underline{64}$	$8 \times 6 = \underline{48}$	$8 \times 8 = \underline{64}$	$8 \times 7 = \underline{56}$
$8 \times 8 = \underline{64}$	$8 \times 9 = \underline{72}$	$8 \times 9 = \underline{72}$	$8 \times 6 = \underline{48}$
$8 \times 9 = \underline{72}$	$8 \times 7 = \underline{56}$	$8 \times 9 = \underline{72}$	$8 \times 8 = \underline{64}$
$8 \times 9 = \underline{72}$	$8 \times 8 = \underline{64}$	$8 \times 6 = \underline{48}$	$8 \times 9 = \underline{72}$
$8 \times 7 = \underline{56}$	$8 \times 9 = \underline{72}$	$8 \times 6 = \underline{48}$	$8 \times 8 = \underline{64}$
$8 \times 9 = \underline{72}$	$8 \times 7 = \underline{56}$	$8 \times 6 = \underline{48}$	$8 \times 8 = \underline{64}$

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Lesson 29:

Compare Fractions with the Same Numerator Using  $<$ ,  $>$ , or  $=$  and Use a Model to Reason About Their Size

Date:

2/1/13

engage<sup>ny</sup>

5.F.21



$9 \times 1 = \underline{9}$	$9 \times 2 = \underline{18}$	$9 \times 3 = \underline{27}$	$9 \times 4 = \underline{36}$
$9 \times 5 = \underline{45}$	$9 \times 1 = \underline{9}$	$9 \times 2 = \underline{18}$	$9 \times 1 = \underline{9}$
$9 \times 3 = \underline{27}$	$9 \times 1 = \underline{9}$	$9 \times 4 = \underline{36}$	$9 \times 1 = \underline{9}$
$9 \times 5 = \underline{45}$	$9 \times 1 = \underline{9}$	$9 \times 2 = \underline{18}$	$9 \times 3 = \underline{27}$
$9 \times 2 = \underline{18}$	$9 \times 4 = \underline{36}$	$9 \times 2 = \underline{18}$	$9 \times 5 = \underline{45}$
$9 \times 2 = \underline{18}$	$9 \times 1 = \underline{9}$	$9 \times 2 = \underline{18}$	$9 \times 3 = \underline{27}$
$9 \times 1 = \underline{9}$	$9 \times 3 = \underline{27}$	$9 \times 2 = \underline{18}$	$9 \times 3 = \underline{27}$
$9 \times 4 = \underline{36}$	$9 \times 3 = \underline{27}$	$9 \times 5 = \underline{45}$	$9 \times 3 = \underline{27}$
$9 \times 4 = \underline{36}$	$9 \times 1 = \underline{9}$	$9 \times 4 = \underline{36}$	$9 \times 2 = \underline{18}$
$9 \times 4 = \underline{36}$	$9 \times 3 = \underline{27}$	$9 \times 4 = \underline{36}$	$9 \times 5 = \underline{45}$
$9 \times 4 = \underline{36}$	$9 \times 5 = \underline{45}$	$9 \times 1 = \underline{9}$	$9 \times 5 = \underline{45}$
$9 \times 2 = \underline{18}$	$9 \times 5 = \underline{45}$	$9 \times 3 = \underline{27}$	$9 \times 5 = \underline{45}$
$9 \times 4 = \underline{36}$	$9 \times 2 = \underline{18}$	$9 \times 4 = \underline{36}$	$9 \times 3 = \underline{27}$
$9 \times 5 = \underline{45}$	$9 \times 3 = \underline{27}$	$9 \times 2 = \underline{18}$	$9 \times 4 = \underline{36}$
$9 \times 3 = \underline{27}$	$9 \times 5 = \underline{45}$	$9 \times 2 = \underline{18}$	$9 \times 4 = \underline{36}$

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$9 \times 1 = 9$      $9 \times 2 = 18$      $9 \times 3 = 27$      $9 \times 4 = 36$   
 $9 \times 5 = 45$      $9 \times 6 = 54$      $9 \times 7 = 63$      $9 \times 8 = 72$   
 $9 \times 9 = 81$      $9 \times 10 = 90$      $9 \times 5 = 45$      $9 \times 6 = 54$   
 $9 \times 5 = 45$      $9 \times 7 = 63$      $9 \times 5 = 45$      $9 \times 8 = 72$   
 $9 \times 5 = 45$      $9 \times 9 = 81$      $9 \times 5 = 45$      $9 \times 10 = 90$   
 $9 \times 6 = 54$      $9 \times 5 = 45$      $9 \times 6 = 54$      $9 \times 7 = 63$   
 $9 \times 6 = 54$      $9 \times 8 = 72$      $9 \times 6 = 54$      $9 \times 9 = 81$   
 $9 \times 6 = 54$      $9 \times 7 = 63$      $9 \times 6 = 54$      $9 \times 7 = 63$   
 $9 \times 8 = 72$      $9 \times 7 = 63$      $9 \times 9 = 81$      $9 \times 7 = 63$   
 $9 \times 8 = 72$      $9 \times 6 = 54$      $9 \times 8 = 72$      $9 \times 7 = 63$   
 $9 \times 8 = 72$      $9 \times 9 = 81$      $9 \times 9 = 81$      $9 \times 6 = 54$   
 $9 \times 9 = 81$      $9 \times 7 = 63$      $9 \times 9 = 81$      $9 \times 8 = 72$   
 $9 \times 9 = 81$      $9 \times 8 = 72$      $9 \times 6 = 54$      $9 \times 9 = 81$   
 $9 \times 7 = 63$      $9 \times 9 = 81$      $9 \times 6 = 54$      $9 \times 8 = 72$   
 $9 \times 9 = 81$      $9 \times 7 = 63$      $9 \times 6 = 54$      $9 \times 8 = 72$

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