

A

Correct _____

Multiply or divide.

1	$2 \times 10 =$		23	$\underline{\quad} \times 10 = 100$	
2	$3 \times 10 =$		24	$\underline{\quad} \times 10 = 20$	
3	$4 \times 10 =$		25	$\underline{\quad} \times 10 = 30$	
4	$5 \times 10 =$		26	$100 \div 10 =$	
5	$1 \times 10 =$		27	$50 \div 10 =$	
6	$20 \div 10 =$		28	$10 \div 10 =$	
7	$30 \div 10 =$		29	$20 \div 10 =$	
8	$50 \div 10 =$		30	$30 \div 10 =$	
9	$10 \div 10 =$		31	$\underline{\quad} \times 10 = 60$	
10	$40 \div 10 =$		32	$\underline{\quad} \times 10 = 70$	
11	$6 \times 10 =$		33	$\underline{\quad} \times 10 = 90$	
12	$7 \times 10 =$		34	$\underline{\quad} \times 10 = 80$	
13	$8 \times 10 =$		35	$70 \div 10 =$	
14	$9 \times 10 =$		36	$90 \div 10 =$	
15	$10 \times 10 =$		37	$60 \div 10 =$	
16	$80 \div 10 =$		38	$80 \div 10 =$	
17	$70 \div 10 =$		39	$11 \times 10 =$	
18	$90 \div 10 =$		40	$110 \div 10 =$	
19	$60 \div 10 =$		41	$30 \div 10 =$	
20	$100 \div 10 =$		42	$120 \div 10 =$	
21	$\underline{\quad} \times 10 = 50$		43	$14 \times 10 =$	
22	$\underline{\quad} \times 10 = 10$		44	$140 \div 10 =$	

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B

Improvement _____ # Correct _____

Multiply or divide.

1	$1 \times 10 =$		23	$___ \times 10 = 20$	
2	$2 \times 10 =$		24	$___ \times 10 = 100$	
3	$3 \times 10 =$		25	$___ \times 10 = 30$	
4	$4 \times 10 =$		26	$20 \div 10 =$	
5	$5 \times 10 =$		27	$10 \div 10 =$	
6	$30 \div 10 =$		28	$100 \div 10 =$	
7	$20 \div 10 =$		29	$50 \div 10 =$	
8	$40 \div 10 =$		30	$30 \div 10 =$	
9	$10 \div 10 =$		31	$___ \times 10 = 30$	
10	$50 \div 10 =$		32	$___ \times 10 = 40$	
11	$10 \times 10 =$		33	$___ \times 10 = 90$	
12	$6 \times 10 =$		34	$___ \times 10 = 70$	
13	$7 \times 10 =$		35	$80 \div 10 =$	
14	$8 \times 10 =$		36	$90 \div 10 =$	
15	$9 \times 10 =$		37	$60 \div 10 =$	
16	$70 \div 10 =$		38	$70 \div 10 =$	
17	$60 \div 10 =$		39	$11 \times 10 =$	
18	$80 \div 10 =$		40	$110 \div 10 =$	
19	$100 \div 10 =$		41	$120 \times 10 =$	
20	$90 \div 10 =$		42	$120 \div 10 =$	
21	$___ \times 10 = 10$		43	$13 \times 10 =$	
22	$___ \times 10 = 50$		44	$130 \div 10 =$	

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A

Find the halfway point.

Correct _____

1	0	10	23	6000	7000
2	0	100	24	600	700
3	0	1000	25	60	70
4	10	20	26	260	270
5	100	200	27	9260	9270
6	1000	2000	28	80	90
7	30	40	29	90	100
8	300	400	30	990	1000
9	400	500	31	9990	10,000
10	20	30	32	440	450
11	30	40	33	8300	8400
12	40	50	34	680	690
13	50	60	35	9400	9500
14	500	600	36	3900	4000
15	5000	6000	37	2450	2460
16	200	300	38	7080	7090
17	300	400	39	3200	3210
18	700	800	40	8630	8640
19	5700	5800	41	8190	8200
20	70	80	42	2510	2520
21	670	680	43	4890	4900
22	6700	6800	44	6660	6670

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Lesson 8:

Round multi-digit numbers to any place value using the vertical number line.

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1.C.17

B

Find the halfway point.

Improvement _____

Correct _____

1	10	20	23	7000	8000
2	100	200	24	700	800
3	1000	2000	25	70	80
4	20	30	26	270	280
5	200	300	27	9270	9280
6	2000	3000	28	80	90
7	40	50	29	90	100
8	400	500	30	990	1000
9	500	600	31	9990	10,000
10	30	40	32	450	460
11	40	50	33	8400	8500
12	50	60	34	580	590
13	60	70	35	9500	9600
14	600	700	36	2900	3000
15	6000	7000	37	3450	3460
16	300	400	38	6080	6090
17	400	500	39	4200	4210
18	800	900	40	7630	7640
19	5800	5900	41	7190	7200
20	80	90	42	3510	3520
21	680	690	43	5890	5900
22	6800	6900	44	7770	7780

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Lesson 8:

Round multi-digit numbers to any place value using the vertical number line.

Date:

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1.C.18

A

Correct _____

Round to the nearest ten thousand.

1	21,000 ≈		23	185,000 ≈	
2	31,000 ≈		24	85,000 ≈	
3	41,000 ≈		25	95,000 ≈	
4	541,000 =		26	97,000 ≈	
5	49,000 ≈		27	98,000 ≈	
6	59,000 ≈		28	198,000 ≈	
7	69,000 ≈		29	798,000 ≈	
8	369,000 ≈		30	31,200 ≈	
9	62,000 ≈		31	49,300 ≈	
10	712,000 ≈		32	649,300 ≈	
11	28,000 ≈		33	64,520 ≈	
12	37,000 ≈		34	164,520 ≈	
13	137,000 ≈		35	17,742 ≈	
14	44,000 ≈		36	917,742 ≈	
15	56,000 ≈		37	38,396 ≈	
16	456,000 ≈		38	64,501 ≈	
17	15,000 ≈		39	703,280 ≈	
18	25,000 ≈		40	239,500 ≈	
19	35,000 ≈		41	708,170 ≈	
20	235,000 ≈		42	188,631 ≈	
21	75,000 ≈		43	777,499 ≈	
22	175,000 ≈		44	444,919 ≈	

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Lesson 10:

Date:

Use place value understanding to round multi-digit numbers to any place value using real world applications.
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1.C.40

B Improvement _____ # Correct _____
 Round to the nearest ten thousand.

1	11,000 ≈		23	185,000 ≈	
2	21,000 ≈		24	85,000 ≈	
3	31,000 ≈		25	95,000 ≈	
4	531,000 =		26	96,000 ≈	
5	39,000 ≈		27	99,000 ≈	
6	49,000 ≈		28	199,000 ≈	
7	59,000 ≈		29	799,000 ≈	
8	359,000 ≈		30	21,200 ≈	
9	52,000 ≈		31	39,300 ≈	
10	612,000 ≈		32	639,300 ≈	
11	18,000 ≈		33	54,520 ≈	
12	27,000 ≈		34	154,520 ≈	
13	127,000 ≈		35	27,742 ≈	
14	34,000 ≈		36	927,742 ≈	
15	46,000 ≈		37	28,396 ≈	
16	346,000 ≈		38	54,501 ≈	
17	25,000 ≈		39	603,280 ≈	
18	35,000 ≈		40	139,500 ≈	
19	45,000 ≈		41	608,170 ≈	
20	245,000 ≈		42	177,631 ≈	
21	65,000 ≈		43	888,499 ≈	
22	165,000 ≈		44	444,909 ≈	

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Lesson 10:

Date:

Use place value understanding to round multi-digit numbers to any place value using real world applications.
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1.C.41

A

Correct _____

Solve.

1	$2 \times 2 =$		23	$3 \times \underline{\quad} = 21$	
2	$2 \times \underline{\quad} = 4$		24	$3 \times 3 =$	
3	$3 \times 3 =$		25	$4 \times \underline{\quad} = 20$	
4	$3 \times \underline{\quad} = 9$		26	$4 \times \underline{\quad} = 32$	
5	$5 \times 5 =$		27	$4 \times 4 =$	
6	$5 \times \underline{\quad} = 25$		28	$5 \times \underline{\quad} = 20$	
7	$1 \times \underline{\quad} = 1$		29	$5 \times \underline{\quad} = 40$	
8	$1 \times 1 =$		30	$5 \times 5 =$	
9	$4 \times \underline{\quad} = 16$		31	$6 \times \underline{\quad} = 18$	
10	$4 \times 4 =$		32	$6 \times \underline{\quad} = 54$	
11	$7 \times \underline{\quad} = 49$		33	$6 \times 6 =$	
12	$7 \times 7 =$		34	$7 \times \underline{\quad} = 28$	
13	$8 \times 8 =$		35	$7 \times \underline{\quad} = 56$	
14	$8 \times \underline{\quad} = 64$		36	$7 \times 7 =$	
15	$10 \times 10 =$		37	$8 \times \underline{\quad} = 24$	
16	$10 \times \underline{\quad} = 100$		38	$8 \times \underline{\quad} = 72$	
17	$9 \times \underline{\quad} = 81$		39	$8 \times 8 =$	
18	$9 \times 9 =$		40	$9 \times \underline{\quad} = 36$	
19	$2 \times \underline{\quad} = 10$		41	$9 \times \underline{\quad} = 63$	
20	$2 \times \underline{\quad} = 18$		42	$9 \times 9 =$	
21	$2 \times 2 =$		43	$9 \times \underline{\quad} = 54$	
22	$3 \times \underline{\quad} = 12$		44	$10 \times 10 =$	

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Lesson 3:

Date:

Demonstrate understanding of area and perimeter formulas by solving multi-step real world problems.
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3.A.37

B Improvement _____ # Correct _____

Solve.

1	$5 \times 5 =$		23	$3 \times \underline{\quad} = 24$	
2	$5 \times \underline{\quad} = 25$		24	$3 \times 3 =$	
3	$2 \times 2 =$		25	$4 \times \underline{\quad} = 12$	
4	$2 \times \underline{\quad} = 4$		26	$4 \times \underline{\quad} = 28$	
5	$3 \times 3 =$		27	$4 \times 4 =$	
6	$3 \times \underline{\quad} = 9$		28	$5 \times \underline{\quad} = 10$	
7	$1 \times 1 =$		29	$5 \times \underline{\quad} = 35$	
8	$1 \times \underline{\quad} = 1$		30	$5 \times 5 =$	
9	$4 \times \underline{\quad} = 16$		31	$6 \times \underline{\quad} = 24$	
10	$4 \times 4 =$		32	$6 \times \underline{\quad} = 48$	
11	$6 \times \underline{\quad} = 36$		33	$6 \times 6 =$	
12	$6 \times 6 =$		34	$7 \times \underline{\quad} = 21$	
13	$9 \times 9 =$		35	$7 \times \underline{\quad} = 63$	
14	$9 \times \underline{\quad} = 81$		36	$7 \times 7 =$	
15	$10 \times 10 =$		37	$8 \times \underline{\quad} = 32$	
16	$10 \times \underline{\quad} = 100$		38	$8 \times \underline{\quad} = 56$	
17	$7 \times \underline{\quad} = 49$		39	$8 \times 8 =$	
18	$7 \times 7 =$		40	$9 \times \underline{\quad} = 27$	
19	$2 \times \underline{\quad} = 8$		41	$9 \times \underline{\quad} = 72$	
20	$2 \times \underline{\quad} = 16$		42	$9 \times 9 =$	
21	$2 \times 2 =$		43	$9 \times \underline{\quad} = 63$	
22	$3 \times \underline{\quad} = 15$		44	$10 \times 10 =$	

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A

Correct _____

Multiply.

1	$3 \times 2 =$		23	$7 \times 5 =$	
2	$30 \times 2 =$		24	$700 \times 5 =$	
3	$300 \times 2 =$		25	$8 \times 3 =$	
4	$3000 \times 2 =$		26	$80 \times 3 =$	
5	$2 \times 3000 =$		27	$9 \times 4 =$	
6	$2 \times 4 =$		28	$9000 \times 4 =$	
7	$2 \times 40 =$		29	$7 \times 6 =$	
8	$2 \times 400 =$		30	$7 \times 600 =$	
9	$2 \times 4000 =$		31	$8 \times 9 =$	
10	$3 \times 3 =$		32	$8 \times 90 =$	
11	$30 \times 3 =$		33	$6 \times 9 =$	
12	$300 \times 3 =$		34	$6 \times 9000 =$	
13	$3000 \times 3 =$		35	$900 \times 9 =$	
14	$4000 \times 3 =$		36	$8000 \times 8 =$	
15	$400 \times 3 =$		37	$7 \times 70 =$	
16	$40 \times 3 =$		38	$6 \times 600 =$	
17	$5 \times 3 =$		39	$800 \times 7 =$	
18	$500 \times 3 =$		40	$7 \times 9000 =$	
19	$7 \times 2 =$		41	$200 \times 5 =$	
20	$70 \times 2 =$		42	$5 \times 60 =$	
21	$4 \times 4 =$		43	$4000 \times 5 =$	
22	$4000 \times 4 =$		44	$800 \times 5 =$	

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Lesson 7:

Date:

Use place value disks to represent two-digit by one-digit multiplication.
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3.C.8

B Improvement _____ # Correct _____

Multiply.

1	$4 \times 2 =$		23	$9 \times 5 =$	
2	$40 \times 2 =$		24	$900 \times 5 =$	
3	$400 \times 2 =$		25	$8 \times 4 =$	
4	$4000 \times 2 =$		26	$80 \times 4 =$	
5	$2 \times 4000 =$		27	$9 \times 3 =$	
6	$3 \times 3 =$		28	$9000 \times 3 =$	
7	$3 \times 30 =$		29	$6 \times 7 =$	
8	$3 \times 300 =$		30	$6 \times 700 =$	
9	$3 \times 3000 =$		31	$8 \times 7 =$	
10	$2 \times 3 =$		32	$8 \times 70 =$	
11	$20 \times 3 =$		33	$9 \times 6 =$	
12	$200 \times 3 =$		34	$9 \times 6000 =$	
13	$2000 \times 3 =$		35	$800 \times 8 =$	
14	$3000 \times 4 =$		36	$9000 \times 9 =$	
15	$300 \times 4 =$		37	$7 \times 700 =$	
16	$30 \times 4 =$		38	$6 \times 60 =$	
17	$3 \times 5 =$		39	$700 \times 8 =$	
18	$30 \times 5 =$		40	$9 \times 7000 =$	
19	$6 \times 2 =$		41	$20 \times 5 =$	
20	$60 \times 2 =$		42	$5 \times 600 =$	
21	$4 \times 4 =$		43	$400 \times 5 =$	
22	$400 \times 4 =$		44	$8000 \times 5 =$	

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A

Correct _____

Multiply.

1	$1 \times 4 =$		23	$21 \times 3 =$	
2	$10 \times 4 =$		24	$121 \times 3 =$	
3	$11 \times 4 =$		25	$42 \times 2 =$	
4	$1 \times 2 =$		26	$142 \times 2 =$	
5	$20 \times 2 =$		27	$242 \times 2 =$	
6	$21 \times 2 =$		28	$342 \times 2 =$	
7	$2 \times 3 =$		29	$442 \times 2 =$	
8	$30 \times 3 =$		30	$3 \times 3 =$	
9	$32 \times 3 =$		31	$13 \times 3 =$	
10	$3 \times 5 =$		32	$213 \times 3 =$	
11	$20 \times 5 =$		33	$1213 \times 3 =$	
12	$23 \times 5 =$		34	$2113 \times 3 =$	
13	$3 \times 3 =$		35	$2131 \times 3 =$	
14	$40 \times 3 =$		36	$2311 \times 3 =$	
15	$43 \times 3 =$		37	$24 \times 4 =$	
16	$4 \times 2 =$		38	$35 \times 5 =$	
17	$70 \times 2 =$		39	$54 \times 3 =$	
18	$74 \times 2 =$		40	$63 \times 6 =$	
19	$2 \times 3 =$		41	$125 \times 4 =$	
20	$60 \times 3 =$		42	$214 \times 3 =$	
21	$62 \times 3 =$		43	$5213 \times 2 =$	
22	$63 \times 3 =$		44	$2135 \times 4 =$	

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CORE

Lesson 13:

Date:

Use multiplication, addition, or subtraction to solve multi-step word problems.
8/28/13

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3.D.20

B

Improvement _____ # Correct _____

Multiply.

1	$1 \times 6 =$		23	$21 \times 4 =$	
2	$10 \times 6 =$		24	$121 \times 4 =$	
3	$11 \times 6 =$		25	$24 \times 2 =$	
4	$1 \times 2 =$		26	$124 \times 2 =$	
5	$30 \times 2 =$		27	$224 \times 2 =$	
6	$31 \times 2 =$		28	$324 \times 2 =$	
7	$3 \times 3 =$		29	$424 \times 2 =$	
8	$20 \times 3 =$		30	$3 \times 2 =$	
9	$23 \times 3 =$		31	$13 \times 2 =$	
10	$5 \times 5 =$		32	$213 \times 2 =$	
11	$20 \times 5 =$		33	$1213 \times 2 =$	
12	$25 \times 5 =$		34	$2113 \times 2 =$	
13	$4 \times 4 =$		35	$2131 \times 2 =$	
14	$30 \times 4 =$		36	$2311 \times 2 =$	
15	$34 \times 4 =$		37	$23 \times 4 =$	
16	$4 \times 2 =$		38	$53 \times 5 =$	
17	$90 \times 2 =$		39	$45 \times 3 =$	
18	$94 \times 2 =$		40	$36 \times 6 =$	
19	$2 \times 3 =$		41	$215 \times 3 =$	
20	$40 \times 3 =$		42	$125 \times 4 =$	
21	$42 \times 3 =$		43	$5312 \times 2 =$	
22	$43 \times 3 =$		44	$1235 \times 4 =$	

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A

Correct _____

Add.

1	$20 \div 2 =$		23	$68 \div 2 =$	
2	$4 \div 2 =$		24	$96 \div 3 =$	
3	$24 \div 2 =$		25	$86 \div 2 =$	
4	$30 \div 3 =$		26	$93 \div 3 =$	
5	$6 \div 3 =$		27	$88 \div 4 =$	
6	$36 \div 3 =$		28	$99 \div 3 =$	
7	$40 \div 4 =$		29	$66 \div 3 =$	
8	$8 \div 4 =$		30	$66 \div 2 =$	
9	$48 \div 4 =$		31	$40 \div 4 =$	
10	$2 \div 2 =$		32	$80 \div 4 =$	
11	$40 \div 2 =$		33	$60 \div 4 =$	
12	$42 \div 2 =$		34	$68 \div 4 =$	
13	$3 \div 3 =$		35	$20 \div 2 =$	
14	$60 \div 3 =$		36	$40 \div 2 =$	
15	$63 \div 3 =$		37	$30 \div 2 =$	
16	$4 \div 4 =$		38	$36 \div 2 =$	
17	$80 \div 4 =$		39	$30 \div 3 =$	
18	$84 \div 4 =$		40	$39 \div 3 =$	
19	$40 \div 5 =$		41	$45 \div 3 =$	
20	$50 \div 5 =$		42	$60 \div 3 =$	
21	$60 \div 5 =$		43	$57 \div 3 =$	
22	$70 \div 5 =$		44	$51 \div 3 =$	

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B Improvement _____ # Correct _____

Add.

1	$30 \div 3 =$		23	$86 \div 2 =$	
2	$9 \div 3 =$		24	$69 \div 3 =$	
3	$39 \div 3 =$		25	$68 \div 2 =$	
4	$20 \div 2 =$		26	$96 \div 3 =$	
5	$6 \div 2 =$		27	$66 \div 3 =$	
6	$26 \div 2 =$		28	$99 \div 3 =$	
7	$80 \div 4 =$		29	$88 \div 4 =$	
8	$4 \div 4 =$		30	$88 \div 2 =$	
9	$84 \div 4 =$		31	$40 \div 4 =$	
10	$2 \div 2 =$		32	$80 \div 4 =$	
11	$60 \div 2 =$		33	$60 \div 4 =$	
12	$62 \div 2 =$		34	$64 \div 4 =$	
13	$3 \div 3 =$		35	$20 \div 2 =$	
14	$90 \div 3 =$		36	$40 \div 2 =$	
15	$93 \div 3 =$		37	$30 \div 2 =$	
16	$8 \div 4 =$		38	$38 \div 2 =$	
17	$40 \div 4 =$		39	$30 \div 3 =$	
18	$48 \div 4 =$		40	$36 \div 3 =$	
19	$50 \div 5 =$		41	$42 \div 3 =$	
20	$60 \div 5 =$		42	$60 \div 3 =$	
21	$70 \div 5 =$		43	$54 \div 3 =$	
22	$80 \div 5 =$		44	$48 \div 3 =$	

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COMMON
CORELesson 19:
Date:Explain remainders by using place value understanding and models.
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3.E.67

A

Correct _____

Solve.

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

B Improvement _____ # Correct _____

Solve.

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

A

Correct _____

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

B

Improvement _____

Correct _____

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