A Story of Units®

Eureka Math™

Grade 5, Module 2

Student File_B

Contains Sprint and Fluency, Exit Ticket, and Assessment Materials

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10 9 8 7 6 5 4 3 2 1

Sprint and Fluency Packet

Number Correct: _____

A

Multiply by 10, 100, and 1,000

1.	9 × 10 =	
2.	9 × 100 =	
3.	9 × 1,000 =	
4.	8 × 10 =	
5.	80 × 10 =	
6.	80 × 100 =	
7.	80 × 1,000 =	
8.	7 × 10 =	
9.	70 × 10 =	
10.	700 × 10 =	
11.	700 × 100 =	
12.	700 × 1,000 =	
13.	2 × 10 =	
14.	30 × 10 =	
15.	32 × 10 =	
16.	4 × 10 =	
17.	50 × 10 =	
18.	54 × 10 =	
19.	37 × 10 =	
20.	84 × 10 =	
21.	84 × 100 =	
22.	84 × 1,000 =	

23.	73 × 1,000 =	
24.	60 × 10 =	
25.	600 × 10 =	
26.	600 × 100 =	
27.	65 × 100 =	
28.	652 × 100 =	
29.	342 × 100 =	
30.	800 × 100 =	
31.	800 × 1,000 =	
32.	860 × 1,000 =	
33.	867 × 1,000 =	
34.	492 × 1,000 =	
35.	34 × 10 =	
36.	629 × 10 =	
37.	94 × 100 =	
38.	238 × 100 =	
39.	47 × 1,000 =	
40.	294 × 1,000 =	
41.	174 × 100 =	
42.	285 × 1,000 =	
43.	951 × 100 =	
44.	129 × 1,000 =	

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B

Number Correct: _____

Improvement: _____

Multiply by 10, 100, and 1,000

1.	8 × 10 =	
2.	8 × 100 =	
3.	8 × 1,000 =	
4.	7 × 10 =	
5.	70 × 10 =	
6.	70 × 100 =	
7.	70 × 1,000 =	
8.	6 × 10 =	
9.	60 × 10 =	
10.	600 × 10 =	
11.	600 × 100 =	
12.	600 × 1,000 =	
13.	3 × 10 =	
14.	20 × 10 =	
15.	23 × 10 =	
16.	5 × 10 =	
17.	40 × 10 =	
18.	45 × 10 =	
19.	73 × 10 =	
20.	48 × 10 =	
21.	48 × 100 =	
22.	48 × 1,000 =	

23.	37 × 1,000 =	
24.	50 × 10 =	
25.	500 × 10 =	
26.	500 × 100 =	
27.	56 × 100 =	
28.	562 × 100 =	
29.	432 × 100 =	
30.	700 × 100 =	
31.	700 × 1,000 =	
32.	760 × 1,000 =	
33.	765 × 1,000 =	
34.	942 × 1,000 =	
35.	74 × 10 =	
36.	269 × 10 =	
37.	49 × 100 =	
38.	328 × 100 =	
39.	37 × 1,000 =	
40.	924 × 1,000 =	
41.	147 × 100 =	
42.	825 × 1,000 =	
43.	651 × 100 =	
44.	192 × 1,000 =	

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Estimate and then multiply.

1	29 x 11 ≈		23	801 x 31 ≈	
2	29 x 21 ≈		24	803 x 31 ≈	
3	29 x 31 ≈		25	703 x 31 ≈	
4	23 x 12 ≈		26	43 x 34 ≈	
5	23 x 22 ≈		27	53 x 34 ≈	
6	23 x 32 ≈		28	53 x 31 ≈	
7	23 x 42 ≈		29	53 x 51 ≈	
8	37 x 13 ≈		30	93 x 31 ≈	
9	37 x 23 ≈		31	913 x 31 ≈	
10	36 x 24 ≈		32	73 x 31 ≈	
11	24 x 36 ≈		33	723 x 31 ≈	
12	43 x 11 ≈		34	78 x 34 ≈	
13	43 x 21 ≈		35	798 x 34 ≈	
14	403 x 21 ≈		36	62 x 33 ≈	
15	303 x 21 ≈		37	642 x 33 ≈	
16	203 x 21 ≈		38	374 x 64 ≈	
17	41 x 11 ≈		39	64 x 374 ≈	
18	41 x 21 ≈		40	740 x 36 ≈	
19	41 x 31 ≈		41	750 x 36 ≈	
20	401 x 31 ≈		42	65 x 680 ≈	
21	501 x 31 ≈		43	849 x 84 ≈	
22	601 x 31 ≈		44	85 x 849 ≈	

estimate products

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Solve.

1	5 x 100 =		23	5000 - 50 =	
2	500 - 5 =		24	50 x 99 =	
3	5 x 99 =		25	80 x 100 =	
4	3 x 100 =		26	80 x 99 =	
5	300 - 3 =		27	60 x 100 =	
6	3 x 99 =		28	60 x 99 =	
7	2 x 100 =		29	11 x 100 =	
8	200 - 2 =		30	1100 - 11 =	
9	2 x 99 =		31	11 x 99 =	
10	6 x 100 =		32	21 x 100 =	
11	600 - 6 =		33	2100 - 21 =	
12	6 x 99 =		34	21 x 99 =	
13	4 x 100 =		35	31 x 100 =	
14	4 x 99 =		36	31 x 99 =	
15	7 x 100 =		37	71 x 100 =	
16	7 x 99 =		38	71 x 99 =	
17	9 x 100 =		39	42 x 100 =	
18	9 x 99 =		40	42 x 99 =	
19	8 x 100 =		41	53 x 99 =	
20	8 x 99 =		42	64 x 99 =	
21	5 x 100 =		43	75 x 99 =	
22	50 x 100 =		44	97 x 99 =	

mental multiplication

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A

Number Correct: _____

Multiply by Multiples of 10 and 100

1.	2 × 10 =	
2.	12 × 10 =	
3.	12 × 100 =	
4.	4 × 10 =	
5.	34 × 10 =	
6.	34 × 100 =	
7.	7 × 10 =	
8.	27 × 10 =	
9.	27 × 100 =	
10.	3 × 10 =	
11.	3 × 2 =	
12.	3 × 20 =	
13.	13 × 10 =	
14.	13 × 2 =	
15.	13 × 20 =	
16.	13 × 100 =	
17.	13 × 200 =	
18.	2 × 4 =	
19.	22 × 4 =	
20.	22 × 40 =	
21.	22 × 400 =	
22.	33 × 2 =	

23.	33 × 20 =	
24.	33 × 200 =	
25.	24 × 10 =	
26.	24 × 20 =	
27.	24 × 100 =	
28.	24 × 200 =	
29.	23 × 30 =	
30.	23 × 300 =	
31.	71 × 2 =	
32.	71 × 20 =	
33.	14 × 2=	
34.	14 × 3 =	
35.	14 × 30 =	
36.	14 × 300 =	
37.	82 × 20 =	
38.	15 × 300 =	
39.	71 × 600 =	
40.	18 × 40 =	
41.	75 × 30 =	
42.	84 × 300 =	
43.	87 × 60 =	
44.	79 × 800 =	

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B

Number Correct: _____

Improvement: _____

Multiply by Multiples of 10 and 100

1.	3 × 10 =	
2.	13 × 10 =	
3.	13 × 100 =	
4.	5 × 10 =	
5.	35 × 10 =	
6.	35 × 100 =	
7.	8 × 10 =	
8.	28 × 10 =	
9.	28 × 100 =	
10.	4 × 10 =	
11.	4 × 2 =	
12.	4 × 20 =	
13.	14 × 10 =	
14.	14 × 2 =	
15.	14 × 20 =	
16.	14 × 100 =	
17.	14 × 200 =	
18.	2 × 3 =	
19.	22 × 3 =	
20.	22 × 30 =	
21.	22 × 300 =	
22.	44 × 2 =	

23.	44 × 20 =	
24.	44 × 200 =	
25.	42 × 10 =	
26.	42 × 20 =	
27.	42 × 100 =	
28.	42 × 200 =	
29.	32 × 30 =	
30.	32 × 300 =	
31.	81 × 2 =	
32.	81 × 20 =	
33.	13 × 3 =	
34.	13 × 4 =	
35.	13 × 40 =	
36.	13 × 400 =	
37.	72 × 30 =	
38.	15 × 300 =	
39.	81 × 600 =	
40.	16 × 40 =	
41.	65 × 30 =	
42.	48 × 300 =	
43.	89 × 60 =	
44.	76 × 800 =	

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Number Correct: _____

A

Multiply Decimals

1.	3 × 3 =	
2.	0.3 × 3 =	
3.	0.03 × 3 =	
4.	3 × 2 =	
5.	0.3 × 2 =	
6.	0.03 × 2 =	
7.	2 × 2 =	
8.	0.2 × 2 =	
9.	0.02 × 2 =	
10.	5 × 3 =	
11.	0.5 × 3 =	
12.	0.05 × 3 =	
13.	0.04 × 3 =	
14.	0.4 × 3 =	
15.	4 × 3 =	
16.	5 × 5 =	
17.	0.5 × 5 =	
18.	0.05 × 5 =	
19.	7 × 4 =	
20.	0.7 × 4 =	
21.	0.07 × 4 =	
22.	0.9 × 4 =	

23.	8 × 5 =	
24.	0.8 × 5 =	
25.	0.08 × 5 =	
26.	0.06 × 5 =	
27.	0.06 × 3 =	
28.	0.6 × 5 =	
29.	0.06 × 2 =	
30.	0.06 × 7 =	
31.	0.9 × 6 =	
32.	0.06 × 9 =	
33.	0.09 × 9 =	
34.	0.8 × 8 =	
35.	0.07 × 7 =	
36.	0.6 × 6 =	
37.	0.05 × 5 =	
38.	0.6 × 8 =	
39.	0.07 × 9 =	
40.	0.8 × 3 =	
41.	0.09 × 6 =	
42.	0.5 × 7 =	
43.	0.12 × 4 =	
44.	0.12 × 9 =	

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B

Number Correct: _____

Improvement: _____

Multiply Decimals

1.	2 × 2 =	
2.	0.2 × 2 =	
3.	0.02 × 2 =	
4.	4 × 2 =	
5.	0.4 × 2 =	
6.	0.04 × 2 =	
7.	3 × 3 =	
8.	0.3 × 3 =	
9.	0.03 × 3 =	
10.	4 × 3 =	
11.	0.4 × 3 =	
12.	0.04 × 3 =	
13.	0.05 × 3 =	
14.	0.5 × 3 =	
15.	5 × 3 =	
16.	4 × 4 =	
17.	0.4 × 4 =	
18.	0.04 × 4 =	
19.	8 × 4 =	
20.	0.8 × 4 =	
21.	0.08 × 4 =	
22.	0.6 × 4 =	

23.	6 × 5 =	
24.	0.6 × 5 =	
25.	0.06 × 5 =	
26.	0.08 × 5 =	
27.	0.08 × 3 =	
28.	0.8 × 5 =	
29.	0.08 × 2 =	
30.	0.08 × 7 =	
31.	0.9 × 8 =	
32.	0.08 × 9 =	
33.	0.9 × 9 =	
34.	0.08 × 8 =	
35.	0.7 × 7 =	
36.	0.06 × 6 =	
37.	0.5 × 5 =	
38.	0.06 × 8 =	
39.	0.7 × 9 =	
40.	0.08 × 3 =	
41.	0.9 × 6 =	
42.	0.05 × 7 =	
43.	0.12 × 6 =	
44.	0.12 × 8 =	

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A

Number Correct: _____

Convert Inches to Feet and Inches

1.	12 in. =	ft.	in.
2.	13 in. =	ft.	in.
3.	14 in. =	ft.	in.
4.	15 in. =	ft.	in.
5.	22 in. =	ft.	in.
6.	20 in. =	ft.	in.
7.	24 in. =	ft.	in.
8.	25 in. =	ft.	in.
9.	26 in. =	ft.	in.
10.	30 in. =	ft.	in.
11.	34 in. =	ft.	in.
12.	35 in. =	ft.	in.
13.	36 in. =	ft.	in.
14.	37 in. =	ft.	in.
15.	46 in. =	ft.	in.
16.	40 in. =	ft.	in.
17.	48 in. =	ft.	in.
18.	58 in. =	ft.	in.
19.	49 in. =	ft.	in.
20.	47 in. =	ft.	in.
21.	50 in. =	ft.	in.
22.	12 in. =	ft.	in.

23.	17 in. =	ft.	in.
24.	24 in. =	ft.	in.
25.	28 in. =	ft.	in.
26.	36 in. =	ft.	in.
27.	45 in. =	ft.	in.
28.	48 in. =	ft.	in.
29.	59 in. =	ft.	in.
30.	60 in. =	ft.	in.
31.	64 in. =	ft.	in.
32.	68 in. =	ft.	in.
33.	71 in. =	ft.	in.
34.	73 in. =	ft.	in.
35.	72 in. =	ft.	in.
36.	80 in. =	ft.	in.
37.	84 in. =	ft.	in.
38.	90 in. =	ft.	in.
39.	96 in. =	ft.	in.
40.	100 in. =	ft.	in.
41.	108 in. =	ft.	in.
42.	117 in. =	ft.	in.
43.	104 in. =	ft.	in.
44.	93 in. =	ft.	in.

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B

Number Correct: _____

Improvement: _____

Convert Inches to Feet and Inches

1.	120 in. =	ft.	in.
2.	12 in. =	ft.	in.
3.	13 in. =	ft.	in.
4.	14 in. =	ft.	in.
5.	20 in. =	ft.	in.
6.	22 in. =	ft.	in.
7.	24 in. =	ft.	in.
8.	25 in. =	ft.	in.
9.	26 in. =	ft.	in.
10.	34 in. =	ft.	in.
11.	30 in. =	ft.	in.
12.	35 in. =	ft.	in.
13.	36 in. =	ft.	in.
14.	46 in. =	ft.	in.
15.	37 in. =	ft.	in.
16.	40 in. =	ft.	in.
17.	48 in. =	ft.	in.
18.	49 in. =	ft.	in.
19.	58 in. =	ft.	in.
20.	47 in. =	ft.	in.
21.	50 in. =	ft.	in.
22.	12 in. =	ft.	in.

23.	16 in. =	ft.	in.
24.	24 in. =	ft.	in.
25.	29 in. =	ft.	in.
26.	36 in. =	ft.	in.
27.	42 in. =	ft.	in.
28.	48 in. =	ft.	in.
29.	59 in. =	ft.	in.
30.	60 in. =	ft.	in.
31.	63 in. =	ft.	in.
32.	67 in. =	ft.	in.
33.	70 in. =	ft.	in.
34.	73 in. =	ft.	in.
35.	72 in. =	ft.	in.
36.	77 in. =	ft.	in.
37.	84 in. =	ft.	in.
38.	89 in. =	ft.	in.
39.	96 in. =	ft.	in.
40.	99 in. =	ft.	in.
41.	108 in. =	ft.	in.
42.	115 in. =	ft.	in.
43.	103 in. =	ft.	in.
44.	95 in. =	ft.	in.

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Number Correct: _____

A

Divide by Multiples of 10 and 100

1.	30 ÷ 10 =	
2.	430 ÷ 10 =	
3.	4,300 ÷ 10 =	
4.	4,300 ÷ 100 =	
5.	43,000 ÷ 100 =	
6.	50 ÷ 10 =	
7.	850 ÷ 10 =	
8.	8,500 ÷ 10 =	
9.	8,500 ÷ 100 =	
10.	85,000 ÷ 100 =	
11.	600 ÷ 10 =	
12.	60 ÷ 3 =	
13.	600 ÷ 30 =	
14.	4,000 ÷ 100 =	
15.	40 ÷ 2 =	
16.	4,000 ÷ 200 =	
17.	240 ÷ 10 =	
18.	24 ÷ 2 =	
19.	240 ÷ 20 =	
20.	3,600 ÷ 100 =	
21.	36 ÷ 3 =	
22.	3,600 ÷ 300 =	

23.	480 ÷ 4 =	
24.	480 ÷ 40 =	
25.	6,300 ÷ 3 =	
26.	6,300 ÷ 30 =	
27.	6,300 ÷ 300 =	
28.	8,400 ÷ 2 =	
29.	8,400 ÷ 20 =	
30.	8,400 ÷ 200 =	
31.	96,000 ÷ 3 =	
32.	96,000 ÷ 300 =	
33.	96,000 ÷ 30 =	
34.	900 ÷ 30 =	
35.	1,200 ÷ 30 =	
36.	1,290 ÷ 30 =	
37.	1,800 ÷ 300 =	
38.	8,000 ÷ 200 =	
39.	12,000 ÷ 200 =	
40.	12,800 ÷ 200 =	
41.	2,240 ÷ 70 =	
42.	18,400 ÷ 800 =	
43.	21,600 ÷ 90 =	
44.	25,200 ÷ 600 =	

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B

Number Correct: _____

Improvement: _____

Divide by Multiples of 10 and 100

1.	20 ÷ 10 =	
2.	420 ÷ 10 =	
3.	4,200 ÷ 10 =	
4.	4,200 ÷ 100 =	
5.	42,000 ÷ 100 =	
6.	40 ÷ 10 =	
7.	840 ÷ 10 =	
8.	8,400 ÷ 10 =	
9.	8,400 ÷ 100 =	
10.	84,000 ÷ 100 =	
11.	900 ÷ 10 =	
12.	90 ÷ 3 =	
13.	900 ÷ 30 =	
14.	6,000 ÷ 100 =	
15.	60 ÷ 2 =	
16.	6,000 ÷ 200 =	
17.	240 ÷ 10 =	
18.	24 ÷ 2 =	
19.	240 ÷ 20 =	
20.	6,300 ÷ 100 =	
21.	63 ÷ 3 =	
22.	6,300 ÷ 300 =	

23.	840 ÷ 4 =	
24.	840 ÷ 40 =	
25.	3,600 ÷ 3 =	
26.	3,600 ÷ 30 =	
27.	3,600 ÷ 300 =	
28.	4,800 ÷ 2 =	
29.	4,800 ÷ 20 =	
30.	4,800 ÷ 200 =	
31.	69,000 ÷ 3 =	
32.	69,000 ÷ 300 =	
33.	69,000 ÷ 30 =	
34.	800 ÷ 40 =	
35.	1,200 ÷ 40 =	
36.	1,280 ÷ 40 =	
37.	1,600 ÷ 400 =	
38.	8,000 ÷ 200 =	
39.	14,000 ÷ 200 =	
40.	14,600 ÷ 200 =	
41.	2,560 ÷ 80 =	
42.	16,100 ÷ 700 =	
43.	14,400 ÷ 60 =	
44.	37,800 ÷ 900 =	

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Number Correct: _____

A

Divide Decimals by Multiples of 10

1.	6 ÷ 10 =	.
2.	6 ÷ 20 =	.
3.	6 ÷ 60 =	.
4.	8 ÷ 10 =	.
5.	8 ÷ 40 =	.
6.	8 ÷ 20 =	.
7.	4 ÷ 10 =	.
8.	4 ÷ 20 =	.
9.	4 ÷ 40 =	.
10.	9 ÷ 3 =	.
11.	9 ÷ 30 =	.
12.	12 ÷ 3 =	.
13.	12 ÷ 30 =	.
14.	12 ÷ 40 =	.
15.	12 ÷ 60 =	.
16.	12 ÷ 20 =	.
17.	15 ÷ 3 =	.
18.	15 ÷ 30 =	.
19.	15 ÷ 50 =	.
20.	18 ÷ 30 =	.
21.	24 ÷ 30 =	.
22.	16 ÷ 40 =	.

23.	25 ÷ 50 =	.
24.	2.5 ÷ 50 =	.
25.	4.5 ÷ 50 =	.
26.	4.5 ÷ 90 =	.
27.	0.45 ÷ 90 =	.
28.	0.45 ÷ 50 =	.
29.	0.24 ÷ 60 =	.
30.	0.63 ÷ 90 =	.
31.	0.48 ÷ 80 =	.
32.	0.49 ÷ 70 =	.
33.	6 ÷ 30 =	.
34.	14 ÷ 70 =	.
35.	72 ÷ 90 =	.
36.	6.4 ÷ 80 =	.
37.	0.48 ÷ 40 =	.
38.	0.36 ÷ 30 =	.
39.	0.55 ÷ 50 =	.
40.	1.36 ÷ 40 =	.
41.	2.04 ÷ 60 =	.
42.	4.48 ÷ 70 =	.
43.	6.16 ÷ 80 =	.
44.	5.22 ÷ 90 =	.

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B

Number Correct: _____

Improvement: _____

Divide Decimals by Multiples of 10

1.	4 ÷ 10 =	.
2.	4 ÷ 20 =	.
3.	4 ÷ 40 =	.
4.	8 ÷ 10 =	.
5.	8 ÷ 20 =	.
6.	8 ÷ 40 =	.
7.	9 ÷ 10 =	.
8.	9 ÷ 30 =	.
9.	9 ÷ 90 =	.
10.	6 ÷ 2=	.
11.	6 ÷ 20 =	.
12.	12 ÷ 2 =	.
13.	12 ÷ 20 =	.
14.	12 ÷ 30 =	.
15.	12 ÷ 40 =	.
16.	12 ÷ 60 =	.
17.	15 ÷ 5 =	.
18.	15 ÷ 50 =	.
19.	15 ÷ 30 =	.
20.	21 ÷ 30 =	.
21.	27 ÷ 30 =	.
22.	36 ÷ 60 =	.

23.	25 ÷ 50 =	.
24.	2.5 ÷ 50 =	.
25.	3.5 ÷ 50 =	.
26.	3.5 ÷ 70 =	.
27.	0.35 ÷ 70 =	.
28.	0.35 ÷ 50 =	.
29.	0.42 ÷ 60 =	.
30.	0.54 ÷ 90 =	.
31.	0.56 ÷ 80 =	.
32.	0.63 ÷ 70 =	.
33.	6 ÷ 30 =	.
34.	18 ÷ 90 =	.
35.	72 ÷ 80 =	.
36.	4.8 ÷ 80 =	.
37.	0.36 ÷ 30 =	.
38.	0.48 ÷ 40 =	.
39.	0.65 ÷ 50 =	.
40.	1.38 ÷ 30 =	.
41.	2.64 ÷ 60 =	.
42.	5.18 ÷ 70 =	.
43.	6.96 ÷ 80 =	.
44.	6.12 ÷ 90 =	.

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G5-M2-SaFP-1.3.0-06.2015

Exit Ticket Packet

Name _____ Date _____

1. Find the products.

   a. 1,900 × 20

   b. 6,000 × 50

   c. 250 × 300

2. Explain how knowing 50 × 4 = 200 helps you find 500 × 400.

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Name _____ Date _____

Round the factors and estimate the products.

a. 656 × 106 ≈

b. 3,108 × 7,942 ≈

c. 425 × 9,311 ≈

d. 8,633 × 57,008 ≈

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Name _____ Date _____

1. Draw a model. Then, write the numerical expressions.

a. The difference between 8 forty-sevens and 7 forty-sevens	b. 6 times the sum of 12 and 8

2. Compare the two expressions using >, <, or =.

62 × (70 + 8)	◯	(70 + 8) × 26

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Name _____ Date _____

Solve using mental math. Draw a tape diagram and fill in the blanks to show your thinking.

a. 49 × 11 = _____ elevens Think: 50 elevens – 1 eleven = (_____ × 11) – (_____ × 11) = _____ – _____ = _____	b. 25 × 13 = _____ twenty-fives Think: _____ twenty-fives + _____ twenty-fives = (_____ × 25) + (_____ × 25) = _____ + _____ = _____

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Name _____ Date _____

Draw an area model, and then solve using the standard algorithm.

a. 21 × 23 = _____

$$\begin{array}{r} 21 \\ \times\ 23 \\ \hline \end{array}$$

b. 143 × 12 = _____

$$\begin{array}{r} 143 \\ \times\ \ 12 \\ \hline \end{array}$$

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Name _____ Date _____

Draw an area model. Then, solve using the standard algorithm. Use arrows to match the partial products from your area model to the partial products in the algorithm.

a. 78 × 42

$$\begin{array}{r} 78 \\ \times\ 42 \\ \hline \end{array}$$

b. 783 × 42

$$\begin{array}{r} 783 \\ \times\ 42 \\ \hline \end{array}$$

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Name _____ Date _____

Draw an area model. Then, solve using the standard algorithm.

a. 642 × 257

$$\begin{array}{r} 642 \\ \times\ 257 \\ \hline \end{array}$$

b. 642 × 207

$$\begin{array}{r} 642 \\ \times\ 207 \\ \hline \end{array}$$

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Name _____ Date _____

Estimate the product first. Solve by using the standard algorithm. Use your estimate to check the reasonableness of the product.

a. 283 × 416

$$\begin{array}{r} 283 \\ \times\ 416 \\ \hline \end{array}$$

≈ _____ × _____

= _____

b. 2,803 × 406

$$\begin{array}{r} 2,803 \\ \times\ 406 \\ \hline \end{array}$$

≈ _____ × _____

= _____

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Name _____ Date _____

Solve.

Juwad picked 30 bags of apples on Monday and sold them at his fruit stand for $3.45 each. The following week he picked and sold 26 bags.

a. How much money did Juwad earn in the first week?

b. How much money did he earn in the second week?

c. How much did Juwad earn selling bags of apples these two weeks?

d. **Extension:** Each bag Juwad picked holds 15 apples. How many apples did he pick in two weeks? Write an expression to represent this problem.

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Name _____ Date _____

1. Estimate the product. Solve using an area model and the standard algorithm. Remember to express your products in standard form.

   a. 33.2 × 21 ≈ _____ × _____ = _____

   b. 1.7 × 55 ≈ _____ × _____ = _____

2. If the product of 485 × 35 is 16,975, what is the product of 485 × 3.5? How do you know?

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Name _____ Date _____

Use estimation and place value reasoning to find the unknown product. Explain how you know.

1. If 647 × 63 = 40,761 then 6.47 × 63 = _____

2. Solve using the standard algorithm.

   a. 6.13 × 14

   b. 104.35 × 34

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Name _____ Date _____

Estimate. Then, solve using the standard algorithm.

a. 3.03 × 402 ≈ _____ × _____ = _____

b. 667 × 1.25 ≈ _____ × _____ = _____

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Name _____ Date _____

Solve.

a. Convert pounds to ounces. (1 pound = 16 ounces) 14 pounds = _____ × (1 pound) = _____ × (_____ ounces) = _____ ounces	b. Convert kilograms to grams. 18.2 kilograms = _____ × (_____) = _____ × (_____) = _____ grams

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Name _____ Date _____

1. Convert days to weeks by completing the number sentences.

   35 days = _____ × (_____ day)

   = _____ × (_____ week)

   =

   =

2. Convert grams to kilograms by completing the number sentences.

   4,567 grams = _____ × _____

   = _____ × _____

   =

   =

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Name _____ Date _____

Solve.

To practice for an Ironman competition, John swam 0.86 kilometer each day for 3 weeks. How many meters did he swim in those 3 weeks?

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Name _____ Date _____

Divide. Show your thinking.

a. 17,000 ÷ 100	b. 59,000 ÷ 1,000
c. 12,000 ÷ 40	d. 480,000 ÷ 600

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Name _____ Date _____

Estimate the quotient for the following problems.

a. 608 ÷ 23 ≈ _____ ÷ _____ = _____	b. 913 ÷ 31 ≈ _____ ÷ _____ = _____
c. 151 ÷ 39 ≈ _____ ÷ _____ = _____	d. 481 ÷ 68 ≈ _____ ÷ _____ = _____

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Name _____ Date _____

Estimate the quotients for the following problems.

a. 6,523 ÷ 21 ≈ _____ ÷ _____ = _____	b. 8,491 ÷ 37 ≈ _____ ÷ _____ = _____
c. 3,704 ÷ 53 ≈ _____ ÷ _____ = _____	d. 4,819 ÷ 68 ≈ _____ ÷ _____ = _____

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Name _____ Date _____

Divide, and then check using multiplication.

a. 73 ÷ 20

b. 291 ÷ 30

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Name _____ Date _____

Divide. Then, check with multiplication.

a. 78 ÷ 21

b. 89 ÷ 37

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Name _____ Date _____

Divide. Then, check using multiplication.

a. 326 ÷ 53

b. 192 ÷ 38

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Name _____ Date _____

Divide. Then, check using multiplication.

a. 413 ÷ 19

b. 708 ÷ 67

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Name _____ Date _____

Divide. Then, check using multiplication.

a. 8,283 ÷ 19

b. 1,056 ÷ 37

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Name _____ Date _____

1. Divide.

   a. 27.3 ÷ 3

   b. 2.73 ÷ 30

   c. 273 ÷ 300

2. If 7.29 ÷ 9 = 0.81, then the quotient of 7.29 ÷ 90 is _____. Use place value reasoning to explain the placement of the decimal point.

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Name _____ Date _____

Estimate the quotients.

a. 1.64 ÷ 22 ≈

b. 123.8 ÷ 62 ≈

c. 6.15 ÷ 31 ≈

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Name _____ Date _____

1. Estimate. Then, divide using the standard algorithm and check.

   a. 45.15 ÷ 21

   b. 14.95 ÷ 65

2. We learned today that division expressions that have the same quotient and remainders are not necessarily equal to each other. Explain how this is possible.

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Name _____ Date _____

Divide.

a. 28 ÷ 32

b. 68.25 ÷ 65

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Name _____ Date _____

Solve this problem, and show all of your work.

Kenny is ordering uniforms for both the girls' and boys' tennis clubs. He is ordering shirts for 43 players and two coaches at a total cost of $658.35. Additionally, he is ordering visors for each player at a total cost of $368.51. How much will each player pay for the shirt and visor?

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Name _____ Date _____

Solve.

Hayley borrowed $1,854 from her parents. She agreed to repay them in equal installments throughout the next 18 months. How much will Hayley still owe her parents after a year?

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Assessment Packet

Name _____ Date _____

1. Fill in the chart.

Words	Expression	The Value of the Expression
a. 50 times the sum of 64 and 36		
b. Divide the difference between 1,200 and 700 by 5		
c. The sum of 3 fifteens and 17 fifteens		
d. 15 times the sum of 14 and 6		
e.	10 × (250 + 45)	
f.	(560 + 440) × 14	

2. Compare the two expressions using < , > , or = . For each, explain how you can determine the answer without calculating.

a. 100 × 8 ◯ 25 × (4 × 9)

b. 48 × 12 ◯ 50 twelves – 3 twelves

c. 24 × 36 ◯ 18 twenty-fours, doubled

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3. Solve. Use words, numbers, or pictures to explain how your answers to Parts (a) and (b) are related.

   a. 25 × 30 = _____

   b. 2.5 × 30 = _____ tenths × 30 = _____

4. Multiply using the standard algorithm. Show your work below each problem. Write the product in the blank.

   a. 514 × 33 = _____

   b. 546 × 405 = _____

5. For a field trip, the school bought 47 sandwiches for $4.60 each and 39 bags of chips for $1.25 each. How much did the school spend in all?

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6. Jeanne makes hair bows to sell at the craft fair. Each bow requires 1.5 yards of ribbon.

   a. At the fabric store, ribbon is sold by the foot. If Jeanne wants to make 84 bows, how many feet of ribbon must she buy? Show all your work.

   b. If the ribbon costs 10¢ per foot, what is the total cost of the ribbon in dollars? Explain your reasoning, including how you decided where to place the decimal.

   c. A manufacturer is making 1,000 times as many bows as Jeanne to sell in stores nationwide. Write an expression using exponents to show how many yards of ribbon the manufacturer will need. Do not calculate the total.

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Name _____ Date _____

1. Express the missing divisor using a power of 10. Explain your reasoning using a place value model.

   a. 5.2 ÷ _____ = 0.052

   b. 7,650 ÷ _____ = 7.65

2. Estimate the quotient by rounding the expression to relate to a one-digit fact. Explain your thinking in the space below.

   a. 432 ÷ 73 ≈ _____

   b. 1,275 ÷ 588 ≈ _____

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3. Generate and solve another division problem with the same quotient and remainder as the two problems below. Explain your strategy for creating the new problem.

$$\begin{array}{r|rr} & & 3 \\ \hline 17 & 6 & 3 \\ - & 5 & 1 \\ \hline & 1 & 2 \end{array} \qquad \begin{array}{r|rrr} & & & 3 \\ \hline 42 & 1 & 3 & 8 \\ - & 1 & 2 & 6 \\ \hline & & 1 & 2 \end{array}$$

4. Sarah says that 26 ÷ 8 equals 14 ÷ 4 because both are “3 R2.” Show her mistake using decimal division.

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5. A rectangular playground has an area of 3,392 square meters. If the width of the rectangle is 32 meters, find the length.

6. A baker uses 5.5 pounds of flour daily.

   a. How many ounces of flour will he use in two weeks? Use words, numbers, or pictures to explain your thinking. (1 lb = 16 oz)

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b. The baker's recipe for a loaf of bread calls for 12 ounces of flour. If he uses all of his flour to make loaves of bread, how many full loaves can he bake in two weeks?

c. The baker sends all his bread to one store. If he can pack up to 15 loaves of bread in a box for shipping, what is the minimum number of boxes required to ship all the loaves baked in two weeks? Explain your reasoning.

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d. The baker pays \$0.80 per pound for sugar and \$1.25 per pound for butter. Write an expression that shows how much the baker will spend if he buys 6 pounds of butter and 20 pounds of sugar.

e. Chocolate sprinkles cost as much per pound as sugar. Find $\frac{1}{10}$ the baker's total cost for 100 pounds of chocolate sprinkles. Explain the number of zeros and the placement of the decimal in your answer using a place value chart.

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