

Eureka Math™

Grade 5 Module 1

Student File_B

Additional Student Materials

This file contains

- G5-M1 Sprint and Fluency Resources¹
- G5-M1 Exit Tickets
- G5-M1 Mid-Module Assessment
- G5-M1 End-of-Module Assessment

¹Note that not all lessons in this module include sprint or fluency resources.

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10 9 8 7 6 5 4 3 2

G5-M1-SFB-1.3.1-05.2016

Sprint and Fluency Packet

A

Number Correct: _____

Multiply by 10

1.	$12 \times 10 =$	
2.	$14 \times 10 =$	
3.	$15 \times 10 =$	
4.	$17 \times 10 =$	
5.	$81 \times 10 =$	
6.	$10 \times 81 =$	
7.	$21 \times 10 =$	
8.	$22 \times 10 =$	
9.	$23 \times 10 =$	
10.	$29 \times 10 =$	
11.	$92 \times 10 =$	
12.	$10 \times 92 =$	
13.	$18 \times 10 =$	
14.	$19 \times 10 =$	
15.	$20 \times 10 =$	
16.	$30 \times 10 =$	
17.	$40 \times 10 =$	
18.	$80 \times 10 =$	
19.	$10 \times 80 =$	
20.	$10 \times 50 =$	
21.	$10 \times 90 =$	
22.	$10 \times 70 =$	

23.	$34 \times 10 =$	
24.	$134 \times 10 =$	
25.	$234 \times 10 =$	
26.	$334 \times 10 =$	
27.	$834 \times 10 =$	
28.	$10 \times 834 =$	
29.	$45 \times 10 =$	
30.	$145 \times 10 =$	
31.	$245 \times 10 =$	
32.	$345 \times 10 =$	
33.	$945 \times 10 =$	
34.	$56 \times 10 =$	
35.	$456 \times 10 =$	
36.	$556 \times 10 =$	
37.	$950 \times 10 =$	
38.	$10 \times 950 =$	
39.	$16 \times 10 =$	
40.	$10 \times 60 =$	
41.	$493 \times 10 =$	
42.	$10 \times 84 =$	
43.	$96 \times 10 =$	
44.	$10 \times 580 =$	

B

Number Correct: _____

Improvement: _____

Multiply by 10

1.	$13 \times 10 =$	
2.	$14 \times 10 =$	
3.	$15 \times 10 =$	
4.	$19 \times 10 =$	
5.	$91 \times 10 =$	
6.	$10 \times 91 =$	
7.	$31 \times 10 =$	
8.	$32 \times 10 =$	
9.	$33 \times 10 =$	
10.	$38 \times 10 =$	
11.	$83 \times 10 =$	
12.	$10 \times 83 =$	
13.	$28 \times 10 =$	
14.	$29 \times 10 =$	
15.	$30 \times 10 =$	
16.	$40 \times 10 =$	
17.	$50 \times 10 =$	
18.	$90 \times 10 =$	
19.	$10 \times 90 =$	
20.	$10 \times 20 =$	
21.	$10 \times 60 =$	
22.	$10 \times 80 =$	

23.	$43 \times 10 =$	
24.	$143 \times 10 =$	
25.	$243 \times 10 =$	
26.	$343 \times 10 =$	
27.	$743 \times 10 =$	
28.	$10 \times 743 =$	
29.	$54 \times 10 =$	
30.	$154 \times 10 =$	
31.	$254 \times 10 =$	
32.	$354 \times 10 =$	
33.	$854 \times 10 =$	
34.	$65 \times 10 =$	
35.	$465 \times 10 =$	
36.	$565 \times 10 =$	
37.	$960 \times 10 =$	
38.	$10 \times 960 =$	
39.	$17 \times 10 =$	
40.	$10 \times 70 =$	
41.	$582 \times 10 =$	
42.	$10 \times 73 =$	
43.	$98 \times 10 =$	
44.	$10 \times 470 =$	

unlabeled hundreds through hundredths place value chart

A

Number Correct: _____

Multiply by 3

1.	$1 \times 3 =$	
2.	$3 \times 1 =$	
3.	$2 \times 3 =$	
4.	$3 \times 2 =$	
5.	$3 \times 3 =$	
6.	$4 \times 3 =$	
7.	$3 \times 4 =$	
8.	$5 \times 3 =$	
9.	$3 \times 5 =$	
10.	$6 \times 3 =$	
11.	$3 \times 6 =$	
12.	$7 \times 3 =$	
13.	$3 \times 7 =$	
14.	$8 \times 3 =$	
15.	$3 \times 8 =$	
16.	$9 \times 3 =$	
17.	$3 \times 9 =$	
18.	$10 \times 3 =$	
19.	$3 \times 10 =$	
20.	$3 \times 3 =$	
21.	$1 \times 3 =$	
22.	$2 \times 3 =$	

23.	$10 \times 3 =$	
24.	$9 \times 3 =$	
25.	$4 \times 3 =$	
26.	$8 \times 3 =$	
27.	$5 \times 3 =$	
28.	$7 \times 3 =$	
29.	$6 \times 3 =$	
30.	$3 \times 10 =$	
31.	$3 \times 5 =$	
32.	$3 \times 6 =$	
33.	$3 \times 1 =$	
34.	$3 \times 9 =$	
35.	$3 \times 4 =$	
36.	$3 \times 3 =$	
37.	$3 \times 2 =$	
38.	$3 \times 7 =$	
39.	$3 \times 8 =$	
40.	$11 \times 3 =$	
41.	$3 \times 11 =$	
42.	$12 \times 3 =$	
43.	$3 \times 13 =$	
44.	$13 \times 3 =$	

B

Number Correct: _____

Improvement: _____

Multiply by 3

1.	$3 \times 1 =$	
2.	$1 \times 3 =$	
3.	$3 \times 2 =$	
4.	$2 \times 3 =$	
5.	$3 \times 3 =$	
6.	$3 \times 4 =$	
7.	$4 \times 3 =$	
8.	$3 \times 5 =$	
9.	$5 \times 3 =$	
10.	$3 \times 6 =$	
11.	$6 \times 3 =$	
12.	$3 \times 7 =$	
13.	$7 \times 3 =$	
14.	$3 \times 8 =$	
15.	$8 \times 3 =$	
16.	$3 \times 9 =$	
17.	$9 \times 3 =$	
18.	$3 \times 10 =$	
19.	$10 \times 3 =$	
20.	$1 \times 3 =$	
21.	$10 \times 3 =$	
22.	$2 \times 3 =$	

23.	$9 \times 3 =$	
24.	$3 \times 3 =$	
25.	$8 \times 3 =$	
26.	$4 \times 3 =$	
27.	$7 \times 3 =$	
28.	$5 \times 3 =$	
29.	$6 \times 3 =$	
30.	$3 \times 5 =$	
31.	$3 \times 10 =$	
32.	$3 \times 1 =$	
33.	$3 \times 6 =$	
34.	$3 \times 4 =$	
35.	$3 \times 9 =$	
36.	$3 \times 2 =$	
37.	$3 \times 7 =$	
38.	$3 \times 3 =$	
39.	$3 \times 8 =$	
40.	$11 \times 3 =$	
41.	$3 \times 11 =$	
42.	$13 \times 3 =$	
43.	$3 \times 13 =$	
44.	$12 \times 3 =$	

A

Number Correct: _____

Multiply Decimals by 10, 100, and 1,000

1.	$62.3 \times 10 =$	
2.	$62.3 \times 100 =$	
3.	$62.3 \times 1,000 =$	
4.	$73.6 \times 10 =$	
5.	$73.6 \times 100 =$	
6.	$73.6 \times 1,000 =$	
7.	$0.6 \times 10 =$	
8.	$0.06 \times 10 =$	
9.	$0.006 \times 10 =$	
10.	$0.3 \times 10 =$	
11.	$0.3 \times 100 =$	
12.	$0.3 \times 1,000 =$	
13.	$0.02 \times 10 =$	
14.	$0.02 \times 100 =$	
15.	$0.02 \times 1,000 =$	
16.	$0.008 \times 10 =$	
17.	$0.008 \times 100 =$	
18.	$0.008 \times 1,000 =$	
19.	$0.32 \times 10 =$	
20.	$0.67 \times 10 =$	
21.	$0.91 \times 100 =$	
22.	$0.74 \times 100 =$	

23.	$4.1 \times 1,000 =$	
24.	$7.6 \times 1,000 =$	
25.	$0.01 \times 1,000 =$	
26.	$0.07 \times 1,000 =$	
27.	$0.072 \times 100 =$	
28.	$0.802 \times 10 =$	
29.	$0.019 \times 1,000 =$	
30.	$7.412 \times 1,000 =$	
31.	$6.8 \times 100 =$	
32.	$4.901 \times 10 =$	
33.	$16.07 \times 100 =$	
34.	$9.19 \times 10 =$	
35.	$18.2 \times 100 =$	
36.	$14.7 \times 1,000 =$	
37.	$2.021 \times 100 =$	
38.	$172.1 \times 10 =$	
39.	$3.2 \times 20 =$	
40.	$4.1 \times 20 =$	
41.	$3.2 \times 30 =$	
42.	$1.3 \times 30 =$	
43.	$3.12 \times 40 =$	
44.	$14.12 \times 40 =$	

B

Number Correct: _____

Improvement: _____

Multiply Decimals by 10, 100, and 1,000

1.	$46.1 \times 10 =$	
2.	$46.1 \times 100 =$	
3.	$46.1 \times 1,000 =$	
4.	$89.2 \times 10 =$	
5.	$89.2 \times 100 =$	
6.	$89.2 \times 1,000 =$	
7.	$0.3 \times 10 =$	
8.	$0.03 \times 10 =$	
9.	$0.003 \times 10 =$	
10.	$0.9 \times 10 =$	
11.	$0.9 \times 100 =$	
12.	$0.9 \times 1,000 =$	
13.	$0.04 \times 10 =$	
14.	$0.04 \times 100 =$	
15.	$0.04 \times 1,000 =$	
16.	$0.007 \times 10 =$	
17.	$0.007 \times 100 =$	
18.	$0.007 \times 1,000 =$	
19.	$0.45 \times 10 =$	
20.	$0.78 \times 10 =$	
21.	$0.28 \times 100 =$	
22.	$0.19 \times 100 =$	

23.	$5.2 \times 1,000 =$	
24.	$8.7 \times 1,000 =$	
25.	$0.01 \times 1,000 =$	
26.	$0.08 \times 1,000 =$	
27.	$0.083 \times 10 =$	
28.	$0.903 \times 10 =$	
29.	$0.017 \times 1,000 =$	
30.	$8.523 \times 1,000 =$	
31.	$7.9 \times 100 =$	
32.	$5.802 \times 10 =$	
33.	$27.08 \times 100 =$	
34.	$8.18 \times 10 =$	
35.	$29.3 \times 100 =$	
36.	$25.8 \times 1,000 =$	
37.	$3.032 \times 100 =$	
38.	$283.1 \times 10 =$	
39.	$2.1 \times 20 =$	
40.	$3.3 \times 20 =$	
41.	$3.1 \times 30 =$	
42.	$1.2 \times 30 =$	
43.	$2.11 \times 40 =$	
44.	$13.11 \times 40 =$	

A

Number Correct: _____

Find the Midpoint

1.	0	10
2.	0	1
3.	0	0.01
4.	10	20
5.	1	2
6.	2	3
7.	3	4
8.	7	8
9.	1	2
10.	0.1	0.2
11.	0.2	0.3
12.	0.3	0.4
13.	0.7	0.8
14.	0.1	0.2
15.	0.01	0.02
16.	0.02	0.03
17.	0.03	0.04
18.	0.07	0.08
19.	6	7
20.	16	17
21.	38	39
22.	0.4	0.5

23.	8.5	8.6
24.	2.8	2.9
25.	0.03	0.04
26.	0.13	0.14
27.	0.37	0.38
28.	80	90
29.	90	100
30.	8	9
31.	9	10
32.	0.8	0.9
33.	0.9	1
34.	0.08	0.09
35.	0.09	0.1
36.	26	27
37.	7.8	7.9
38.	1.26	1.27
39.	29	30
40.	9.9	10
41.	7.9	8
42.	1.59	1.6
43.	1.79	1.8
44.	3.99	4

B

Number Correct: _____

Improvement: _____

Find the Midpoint

1.	10	20
2.	1	2
3.	0.1	0.2
4.	0.01	0.02
5.	0	10
6.	0	1
7.	1	2
8.	2	3
9.	6	7
10.	1	2
11.	0.1	0.2
12.	0.2	0.3
13.	0.3	0.4
14.	0.6	0.7
15.	0.1	0.2
16.	0.01	0.02
17.	0.02	0.03
18.	0.03	0.04
19.	0.06	0.07
20.	7	8
21.	17	18
22.	47	48

23.	0.7	0.8
24.	4.7	4.8
25.	2.3	2.4
26.	0.02	0.03
27.	0.12	0.13
28.	0.47	0.48
29.	80	90
30.	90	100
31.	8	9
32.	9	10
33.	0.8	0.9
34.	0.9	1
35.	0.08	0.09
36.	0.09	0.1
37.	36	37
38.	6.8	6.9
39.	1.46	1.47
40.	39	40
41.	9.9	10
42.	6.9	7
43.	1.29	1.3
44.	6.99	7

A

Number Correct: _____

Round to the Nearest One

1.	3.1 ≈	
2.	3.2 ≈	
3.	3.3 ≈	
4.	3.4 ≈	
5.	3.5 ≈	
6.	3.6 ≈	
7.	3.9 ≈	
8.	13.9 ≈	
9.	13.1 ≈	
10.	13.5 ≈	
11.	7.5 ≈	
12.	8.5 ≈	
13.	9.5 ≈	
14.	19.5 ≈	
15.	29.5 ≈	
16.	89.5 ≈	
17.	2.4 ≈	
18.	2.41 ≈	
19.	2.42 ≈	
20.	2.45 ≈	
21.	2.49 ≈	
22.	2.51 ≈	

23.	12.51 ≈	
24.	16.61 ≈	
25.	17.41 ≈	
26.	11.51 ≈	
27.	11.49 ≈	
28.	13.49 ≈	
29.	13.51 ≈	
30.	15.51 ≈	
31.	15.49 ≈	
32.	6.3 ≈	
33.	7.6 ≈	
34.	49.5 ≈	
35.	3.45 ≈	
36.	17.46 ≈	
37.	11.76 ≈	
38.	5.2 ≈	
39.	12.8 ≈	
40.	59.5 ≈	
41.	5.45 ≈	
42.	19.47 ≈	
43.	19.87 ≈	
44.	69.51 ≈	

B

Number Correct: _____

Improvement: _____

Round to the Nearest One

1.	4.1 ≈	
2.	4.2 ≈	
3.	4.3 ≈	
4.	4.4 ≈	
5.	4.5 ≈	
6.	4.6 ≈	
7.	4.9 ≈	
8.	14.9 ≈	
9.	14.1 ≈	
10.	14.5 ≈	
11.	7.5 ≈	
12.	8.5 ≈	
13.	9.5 ≈	
14.	19.5 ≈	
15.	29.5 ≈	
16.	79.5 ≈	
17.	3.4 ≈	
18.	3.41 ≈	
19.	3.42 ≈	
20.	3.45 ≈	
21.	3.49 ≈	
22.	3.51 ≈	

23.	13.51 ≈	
24.	17.61 ≈	
25.	18.41 ≈	
26.	12.51 ≈	
27.	12.49 ≈	
28.	14.49 ≈	
29.	14.51 ≈	
30.	16.51 ≈	
31.	16.49 ≈	
32.	7.3 ≈	
33.	8.6 ≈	
34.	39.5 ≈	
35.	4.45 ≈	
36.	18.46 ≈	
37.	12.76 ≈	
38.	6.2 ≈	
39.	13.8 ≈	
40.	49.5 ≈	
41.	6.45 ≈	
42.	19.48 ≈	
43.	19.78 ≈	
44.	59.51 ≈	

A

Number Correct: _____

Add Decimals

1.	$3 + 1 =$	
2.	$3.5 + 1 =$	
3.	$3.52 + 1 =$	
4.	$0.3 + 0.1 =$	
5.	$0.37 + 0.1 =$	
6.	$5.37 + 0.1 =$	
7.	$0.03 + 0.01 =$	
8.	$0.83 + 0.01 =$	
9.	$2.83 + 0.01 =$	
10.	$30 + 10 =$	
11.	$32 + 10 =$	
12.	$32.5 + 10 =$	
13.	$32.58 + 10 =$	
14.	$40.789 + 1 =$	
15.	$4 + 1 =$	
16.	$4.6 + 1 =$	
17.	$4.62 + 1 =$	
18.	$4.628 + 1 =$	
19.	$4.628 + 0.1 =$	
20.	$4.628 + 0.01 =$	
21.	$4.628 + 0.001 =$	
22.	$27.048 + 0.1 =$	

23.	$5 + 0.1 =$	
24.	$5.7 + 0.1 =$	
25.	$5.73 + 0.1 =$	
26.	$5.736 + 0.1 =$	
27.	$5.736 + 1 =$	
28.	$5.736 + 0.01 =$	
29.	$5.736 + 0.001 =$	
30.	$6.208 + 0.01 =$	
31.	$3 + 0.01 =$	
32.	$3.5 + 0.01 =$	
33.	$3.58 + 0.01 =$	
34.	$3.584 + 0.01 =$	
35.	$3.584 + 0.001 =$	
36.	$3.584 + 0.1 =$	
37.	$3.584 + 1 =$	
38.	$6.804 + 0.01 =$	
39.	$8.642 + 0.001 =$	
40.	$7.65 + 0.001 =$	
41.	$3.987 + 0.1 =$	
42.	$4.279 + 0.001 =$	
43.	$13.579 + 0.01 =$	
44.	$15.491 + 0.01 =$	

B

Number Correct: _____

Improvement: _____

Add Decimals

1.	$2 + 1 =$	
2.	$2.5 + 1 =$	
3.	$2.53 + 1 =$	
4.	$0.2 + 0.1 =$	
5.	$0.27 + 0.1 =$	
6.	$5.27 + 0.1 =$	
7.	$0.02 + 0.01 =$	
8.	$0.82 + 0.01 =$	
9.	$4.82 + 0.01 =$	
10.	$20 + 10 =$	
11.	$23 + 10 =$	
12.	$23.5 + 10 =$	
13.	$23.58 + 10 =$	
14.	$30.789 + 1 =$	
15.	$3 + 1 =$	
16.	$3.6 + 1 =$	
17.	$3.62 + 1 =$	
18.	$3.628 + 1 =$	
19.	$3.628 + 0.1 =$	
20.	$3.628 + 0.01 =$	
21.	$3.628 + 0.001 =$	
22.	$37.048 + 0.1 =$	

23.	$4 + 0.1 =$	
24.	$4.7 + 0.1 =$	
25.	$4.73 + 0.1 =$	
26.	$4.736 + 0.1 =$	
27.	$4.736 + 1 =$	
28.	$4.736 + 0.01 =$	
29.	$4.736 + 0.001 =$	
30.	$5.208 + 0.01 =$	
31.	$2 + 0.01 =$	
32.	$2.5 + 0.01 =$	
33.	$2.58 + 0.01 =$	
34.	$2.584 + 0.01 =$	
35.	$2.584 + 0.001 =$	
36.	$2.584 + 0.1 =$	
37.	$2.584 + 1 =$	
38.	$5.804 + 0.01 =$	
39.	$7.642 + 0.001 =$	
40.	$6.75 + 0.001 =$	
41.	$2.987 + 0.1 =$	
42.	$3.279 + 0.001 =$	
43.	$12.579 + 0.01 =$	
44.	$14.391 + 0.01 =$	

A

Number Correct: _____

Subtract Decimals

1.	$5 - 1 =$	
2.	$5.9 - 1 =$	
3.	$5.93 - 1 =$	
4.	$5.932 - 1 =$	
5.	$5.932 - 2 =$	
6.	$5.932 - 4 =$	
7.	$0.5 - 0.1 =$	
8.	$0.53 - 0.1 =$	
9.	$0.539 - 0.1 =$	
10.	$8.539 - 0.1 =$	
11.	$8.539 - 0.2 =$	
12.	$8.539 - 0.4 =$	
13.	$0.05 - 0.01 =$	
14.	$0.057 - 0.01 =$	
15.	$1.057 - 0.01 =$	
16.	$1.857 - 0.01 =$	
17.	$1.857 - 0.02 =$	
18.	$1.857 - 0.04 =$	
19.	$0.005 - 0.001 =$	
20.	$7.005 - 0.001 =$	
21.	$7.905 - 0.001 =$	
22.	$7.985 - 0.001 =$	

23.	$7.985 - 0.002 =$	
24.	$7.985 - 0.004 =$	
25.	$2.7 - 0.1 =$	
26.	$2.785 - 0.1 =$	
27.	$2.785 - 0.5 =$	
28.	$4.913 - 0.4 =$	
29.	$3.58 - 0.01 =$	
30.	$3.586 - 0.01 =$	
31.	$3.586 - 0.05 =$	
32.	$7.982 - 0.04 =$	
33.	$6.126 - 0.001 =$	
34.	$6.126 - 0.004 =$	
35.	$9.348 - 0.006 =$	
36.	$8.347 - 0.3 =$	
37.	$9.157 - 0.05 =$	
38.	$6.879 - 0.009 =$	
39.	$6.548 - 2 =$	
40.	$6.548 - 0.2 =$	
41.	$6.548 - 0.02 =$	
42.	$6.548 - 0.002 =$	
43.	$6.196 - 0.06 =$	
44.	$9.517 - 0.004 =$	

B

Number Correct: _____

Improvement: _____

Subtract Decimals

1.	$6 - 1 =$	
2.	$6.9 - 1 =$	
3.	$6.93 - 1 =$	
4.	$6.932 - 1 =$	
5.	$6.932 - 2 =$	
6.	$6.932 - 4 =$	
7.	$0.6 - 0.1 =$	
8.	$0.63 - 0.1 =$	
9.	$0.639 - 0.1 =$	
10.	$8.639 - 0.1 =$	
11.	$8.639 - 0.2 =$	
12.	$8.639 - 0.4 =$	
13.	$0.06 - 0.01 =$	
14.	$0.067 - 0.01 =$	
15.	$1.067 - 0.01 =$	
16.	$1.867 - 0.01 =$	
17.	$1.867 - 0.02 =$	
18.	$1.867 - 0.04 =$	
19.	$0.006 - 0.001 =$	
20.	$7.006 - 0.001 =$	
21.	$7.906 - 0.001 =$	
22.	$7.986 - 0.001 =$	

23.	$7.986 - 0.002 =$	
24.	$7.986 - 0.004 =$	
25.	$3.7 - 0.1 =$	
26.	$3.785 - 0.1 =$	
27.	$3.785 - 0.5 =$	
28.	$5.924 - 0.4 =$	
29.	$4.58 - 0.01 =$	
30.	$4.586 - 0.01 =$	
31.	$4.586 - 0.05 =$	
32.	$6.183 - 0.04 =$	
33.	$7.127 - 0.001 =$	
34.	$7.127 - 0.004 =$	
35.	$1.459 - 0.006 =$	
36.	$8.457 - 0.4 =$	
37.	$1.267 - 0.06 =$	
38.	$7.981 - 0.001 =$	
39.	$7.548 - 2 =$	
40.	$7.548 - 0.2 =$	
41.	$7.548 - 0.02 =$	
42.	$7.548 - 0.002 =$	
43.	$7.197 - 0.06 =$	
44.	$1.627 - 0.004 =$	

A

Number Correct: _____

Multiply by Exponents

1.	$10 \times 10 =$	
2.	$10^2 =$	
3.	$10^2 \times 10 =$	
4.	$10^3 =$	
5.	$10^3 \times 10 =$	
6.	$10^4 =$	
7.	$3 \times 100 =$	
8.	$3 \times 10^2 =$	
9.	$3.1 \times 10^2 =$	
10.	$3.15 \times 10^2 =$	
11.	$3.157 \times 10^2 =$	
12.	$4 \times 1,000 =$	
13.	$4 \times 10^3 =$	
14.	$4.2 \times 10^3 =$	
15.	$4.28 \times 10^3 =$	
16.	$4.283 \times 10^3 =$	
17.	$5 \times 10,000 =$	
18.	$5 \times 10^4 =$	
19.	$5.7 \times 10^4 =$	
20.	$5.73 \times 10^4 =$	
21.	$5.731 \times 10^4 =$	
22.	$24 \times 100 =$	

23.	$24 \times 10^2 =$	
24.	$24.7 \times 10^2 =$	
25.	$24.07 \times 10^2 =$	
26.	$24.007 \times 10^2 =$	
27.	$53 \times 1,000 =$	
28.	$53 \times 10^3 =$	
29.	$53.8 \times 10^3 =$	
30.	$53.08 \times 10^3 =$	
31.	$53.082 \times 10^3 =$	
32.	$9.1 \times 10,000 =$	
33.	$9.1 \times 10^4 =$	
34.	$91.4 \times 10^4 =$	
35.	$91.104 \times 10^4 =$	
36.	$91.107 \times 10^4 =$	
37.	$1.2 \times 10^2 =$	
38.	$0.35 \times 10^3 =$	
39.	$5.492 \times 10^4 =$	
40.	$8.04 \times 10^3 =$	
41.	$7.109 \times 10^4 =$	
42.	$0.058 \times 10^2 =$	
43.	$20.78 \times 10^3 =$	
44.	$420.079 \times 10^2 =$	

B

Number Correct: _____

Improvement: _____

Multiply by Exponents

1.	$10 \times 10 \times 1 =$	
2.	$10^2 =$	
3.	$10^2 \times 10 =$	
4.	$10^3 =$	
5.	$10^3 \times 10 =$	
6.	$10^4 =$	
7.	$4 \times 100 =$	
8.	$4 \times 10^2 =$	
9.	$4.1 \times 10^2 =$	
10.	$4.15 \times 10^2 =$	
11.	$4.157 \times 10^2 =$	
12.	$5 \times 1,000 =$	
13.	$5 \times 10^3 =$	
14.	$5.2 \times 10^3 =$	
15.	$5.28 \times 10^3 =$	
16.	$5.283 \times 10^3 =$	
17.	$7 \times 10,000 =$	
18.	$7 \times 10^4 =$	
19.	$7.5 \times 10^4 =$	
20.	$7.53 \times 10^4 =$	
21.	$7.531 \times 10^4 =$	
22.	$42 \times 100 =$	

23.	$42 \times 10^2 =$	
24.	$42.7 \times 10^2 =$	
25.	$42.07 \times 10^2 =$	
26.	$42.007 \times 10^2 =$	
27.	$35 \times 1,000 =$	
28.	$35 \times 10^3 =$	
29.	$35.8 \times 10^3 =$	
30.	$35.08 \times 10^3 =$	
31.	$35.082 \times 10^3 =$	
32.	$8.1 \times 10,000 =$	
33.	$8.1 \times 10^4 =$	
34.	$81.4 \times 10^4 =$	
35.	$81.104 \times 10^4 =$	
36.	$81.107 \times 10^4 =$	
37.	$1.3 \times 10^2 =$	
38.	$0.53 \times 10^3 =$	
39.	$4.391 \times 10^4 =$	
40.	$7.03 \times 10^3 =$	
41.	$6.109 \times 10^4 =$	
42.	$0.085 \times 10^2 =$	
43.	$30.87 \times 10^3 =$	
44.	$530.097 \times 10^2 =$	

A

Number Correct: _____

Multiply and Divide by Exponents

1.	$10 \times 10 =$	
2.	$10^2 =$	
3.	$10^2 \times 10 =$	
4.	$10^3 =$	
5.	$10^3 \times 10 =$	
6.	$10^4 =$	
7.	$3 \times 100 =$	
8.	$3 \times 10^2 =$	
9.	$3.1 \times 10^2 =$	
10.	$3.15 \times 10^2 =$	
11.	$3.157 \times 10^2 =$	
12.	$4 \times 1,000 =$	
13.	$4 \times 10^3 =$	
14.	$4.2 \times 10^3 =$	
15.	$4.28 \times 10^3 =$	
16.	$4.283 \times 10^3 =$	
17.	$5 \times 10,000 =$	
18.	$5 \times 10^4 =$	
19.	$5.7 \times 10^4 =$	
20.	$5.73 \times 10^4 =$	
21.	$5.731 \times 10^4 =$	
22.	$24 \times 100 =$	

23.	$3,400 \div 10^2 =$	
24.	$3,470 \div 10^2 =$	
25.	$3,407 \div 10^2 =$	
26.	$3,400.7 \div 10^2 =$	
27.	$63,000 \div 1,000 =$	
28.	$63,000 \div 10^3 =$	
29.	$63,800 \div 10^3 =$	
30.	$63,080 \div 10^3 =$	
31.	$63,082 \div 10^3 =$	
32.	$81,000 \div 10,000 =$	
33.	$81,000 \div 10^4 =$	
34.	$81,400 \div 10^4 =$	
35.	$81,040 \div 10^4 =$	
36.	$91,070 \div 10^4 =$	
37.	$120 \div 10^2 =$	
38.	$350 \div 10^3 =$	
39.	$45,920 \div 10^4 =$	
40.	$6,040 \div 10^3 =$	
41.	$61,080 \div 10^4 =$	
42.	$7.8 \div 10^2 =$	
43.	$40,870 \div 10^3 =$	
44.	$52,070.9 \div 10^2 =$	

B

Number Correct: _____

Improvement: _____

Multiply and Divide by Exponents

1.	$10 \times 10 \times 1 =$	
2.	$10^2 =$	
3.	$10^2 \times 10 =$	
4.	$10^3 =$	
5.	$10^3 \times 10 =$	
6.	$10^4 =$	
7.	$500 \div 100 =$	
8.	$500 \div 10^2 =$	
9.	$510 \div 10^2 =$	
10.	$516 \div 10^2 =$	
11.	$516.7 \div 10^2 =$	
12.	$6,000 \div 1,000 =$	
13.	$6,000 \div 10^3 =$	
14.	$6,200 \div 10^3 =$	
15.	$6,280 \div 10^3 =$	
16.	$6,283 \div 10^3 =$	
17.	$70,000 \div 10,000 =$	
18.	$70,000 \div 10^4 =$	
19.	$76,000 \div 10^4 =$	
20.	$76,300 \div 10^4 =$	
21.	$76,310 \div 10^4 =$	
22.	$4,300 \div 100 =$	

23.	$4,300 \div 10^2 =$	
24.	$4,370 \div 10^2 =$	
25.	$4,307 \div 10^2 =$	
26.	$4,300.7 \div 10^2 =$	
27.	$73,000 \div 1,000$	
28.	$73,000 \div 10^3 =$	
29.	$73,800 \div 10^3 =$	
30.	$73,080 \div 10^3 =$	
31.	$73,082 \div 10^3 =$	
32.	$91,000 \div 10,000 =$	
33.	$91,000 \div 10^4 =$	
34.	$91,400 \div 10^4 =$	
35.	$91,040 \div 10^4 =$	
36.	$81,070 \div 10^4 =$	
37.	$170 \div 10^2 =$	
38.	$450 \div 10^3 =$	
39.	$54,920 \div 10^4 =$	
40.	$4,060 \div 10^3 =$	
41.	$71,080 \div 10^4 =$	
42.	$8.7 \div 10^2 =$	
43.	$60,470 \div 10^3 =$	
44.	$72,050.9 \div 10^2 =$	

Exit Ticket Packet

Name _____

Date _____

Use the place value chart and arrows to show how the value of each digit changes.

a. $6.671 \times 100 =$ _____

				●			

b. $684 \div 1,000 =$ _____

				●			

Name _____

Date _____

1. Solve.

a. $32.1 \times 10 =$ _____

b. $3632.1 \div 10 =$ _____

2. Solve.

a. $455 \times 1,000 =$ _____

b. $455 \div 1,000 =$ _____

Name _____

Date _____

1. Write the following in exponential form and as a multiplication sentence using only 10 as a factor (e.g., $100 = 10^2 = 10 \times 10$).

a. $1,000 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

b. $100 \times 100 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2. Write the following in standard form (e.g., $4 \times 10^2 = 400$).

a. $3 \times 10^2 = \underline{\hspace{2cm}}$

c. $800 \div 10^3 = \underline{\hspace{2cm}}$

b. $2.16 \times 10^4 = \underline{\hspace{2cm}}$

d. $754.2 \div 10^2 = \underline{\hspace{2cm}}$

Name _____

Date _____

1. Convert using an equation with an exponent.

a. 2 meters to centimeters $2 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$ _____b. 40 millimeters to meters $40 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$ _____

2. Read each aloud as you write the equivalent measures.

a. A piece of fabric measures 3.9 meters. Express this length in centimeters.

b. Ms. Ramos's thumb measures 4 centimeters. Express this length in meters.

Name _____

Date _____

1. Express nine thousandths as a decimal.

2. Express twenty-nine thousandths as a fraction.

3. Express 24.357 in words.
 - a. Write the expanded form using fractions or decimals.

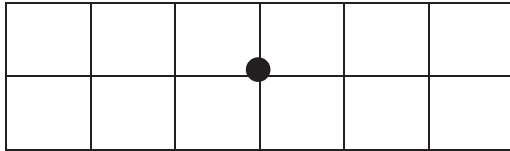
 - b. Express in unit form.

Name _____

Date _____

1. Show the numbers on the place value chart using digits. Use $>$, $<$, or $=$ to compare. Explain your thinking in the space to the right.

167.4  167.462



2. Use $>$, $<$, and $=$ to compare the numbers.

32.725  32.735

3. Arrange the numbers in decreasing order.

76.342 76.332 76.232 76.343

Name _____

Date _____

Use the table to round the number to the given places. Label the number lines, and circle the rounded value.

8.546

Tens	Ones	•	Tenths	Hundredths	Thousandths
	8	•	5	4	6
		•	85	4	6
		•		854	6
		•			8546

a. Hundredths



b. Tens



Name _____

Date _____

Round the quantity to the given place value. Draw number lines to explain your thinking. Circle the rounded value on the number line.

a. 13.989 to the nearest tenth

b. 382.993 to nearest hundredth

Name _____

Date _____

1. Solve.

a. 4 hundredths + 8 hundredths = _____ hundredths = _____ tenth(s) _____ hundredths

b. 64 hundredths + 8 hundredths = _____ hundredths = _____ tenths _____ hundredths

2. Solve using the standard algorithm.

a. $2.40 + 1.8 =$ _____

b. $36.25 + 8.67 =$ _____

Name _____

Date _____

1. Subtract.

$$1.7 - 0.8 = \underline{\hspace{1cm}} \text{ tenths} - \underline{\hspace{1cm}} \text{ tenths} = \underline{\hspace{1cm}} \text{ tenths} = \underline{\hspace{1cm}}$$

2. Subtract vertically, showing all work.

a. $84.637 - 28.56 = \underline{\hspace{2cm}}$

b. $7 - 0.35 = \underline{\hspace{2cm}}$

Name _____

Date _____

1. Solve by drawing disks on a place value chart. Write an equation, and express the product in standard form.

4 copies of 3 tenths

2. Complete the area model, and then find the product.

3×9.63

	_____	_____	_____
_____	$3 \times \underline{\hspace{1cm}} \text{ ones}$	$3 \times \underline{\hspace{1cm}} \text{ tenths}$	$3 \times \underline{\hspace{1cm}} \text{ hundredths}$

Name _____

Date _____

1. Use estimation to choose the correct value for each expression.

a. 5.1×2 0.102 1.02 10.2 102

b. 4×8.93 3.572 35.72 357.2 3572

2. Estimate the answer for 7.13×6 . Explain your reasoning using words, pictures, or numbers.

Name _____ Date _____

1. Complete the sentences with the correct number of units, and then complete the equation.

a. 2 groups of _____ tenths is 1.8. $1.8 \div 2 =$ _____

b. 4 groups of _____ hundredths is 0.32. $0.32 \div 4 =$ _____

c. 7 groups of _____ thousandths is 0.021. $0.021 \div 7 =$ _____

2. Complete the number sentence. Express the quotient in unit form and then in standard form.

a. $4.5 \div 5 =$ _____ tenths $\div 5 =$ _____ tenths $=$ _____

b. $6.12 \div 6 =$ _____ ones $\div 6 +$ _____ hundredths $\div 6$
 $=$ _____ ones $+$ _____ hundredths
 $=$ _____

Name _____

Date _____

1. Draw place value disks on the place value chart to solve. Show each step using the standard algorithm.

$5.372 \div 2 = \underline{\hspace{2cm}}$

Ones	Tenths	Hundredths	Thousandths

$$2 \overline{) 5.372}$$

2. Solve using the standard algorithm.

$0.576 \div 4 = \underline{\hspace{2cm}}$

Name _____

Date _____

1. Draw place value disks on the place value chart to solve. Show each step in the standard algorithm.

$0.9 \div 4 = \underline{\hspace{2cm}}$

Ones	•	Tenths	Hundredths	Thousandths

$$4 \overline{) 0.9}$$

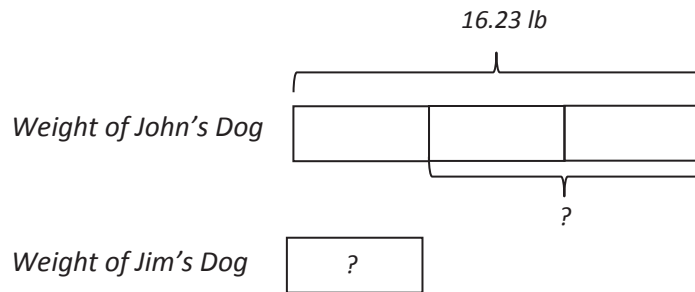
2. Solve using the standard algorithm.

$9.8 \div 5 =$

Name _____

Date _____

Write a word problem with two questions that matches the tape diagram below, and then solve.



Assessment Packet

Name _____

Date _____

1. Compare using $>$, $<$, or $=$.

a. 0.4 0.127

b. 2 thousandths + 4 hundredths 0.036

c. 2 tens 3 tenths 1 thousandth 20.31

d. 24 tenths 2.5

e. $4 \times 10^3 + 2 \times 100 + 3 \times \frac{1}{10}$ $4 \times 1000 + 2 \times 10^2 + 3 \times \frac{1}{10}$

f. $3 \times \frac{1}{10} + 4 \times \frac{1}{1000}$ 0.340

2. Model the number 8.88 on the place value chart.

- a. Use words, numbers, and your model to explain why each of the digits has a different value. Be sure to use “ten times as large” and “one tenth as large” in your explanation.

b. Multiply 8.88×10^4 . Explain the shift of the digits and the change in the value of each digit.

c. Divide the product from (b) by 10^2 . Explain the shift of the digits and the change in the value of each digit.

3. Rainfall collected in a rain gauge was found to be 2.3 cm when rounded to the nearest tenth of a centimeter.

a. Circle all the measurements below that could be the actual measurement of the rainfall.

2.251 cm

2.349 cm

2.352 cm

2.295 cm

b. Convert the rounded measurement to meters. Write an equation to show your work.

4. Average annual rainfall totals for cities in New York are listed below.

Rochester	0.97 meters
Ithaca	0.947 meters
Saratoga Springs	1.5 meters
New York City	1.268 meters

- a. Put the rainfall measurements in order from least to greatest. Write the smallest total rainfall in word form and expanded form.
- b. Round each of the rainfall totals to the nearest tenth.
- c. Imagine New York City's rainfall is the same every year. How much rain would fall in 100 years?
- d. Write an equation using an exponent that would express the 100-year total rainfall. Explain how the digits have shifted position and why.

Name _____

Date _____

1. The following equations involve different quantities and use different operations, yet produce the same result. Use a place value chart and words to explain why this is true.

$$4.13 \times 10^3 = 4130$$

$$413,000 \div 10^2 = 4130$$

2. Use an area model to explain the product of 4.6 and 3. Write the product in standard form, word form, and expanded form.

3. Compare using $>$, $<$, or $=$.

a. 2 tenths + 11 hundredths

0.13

b. 13 tenths + 8 tenths + 32 hundredths

2.42

c. 342 hundredths + 7 tenths

3 + 49 hundredths

d. $2 + 31 \times \frac{1}{10} + 14 \times \frac{1}{100}$

2.324

e. $14 + 72 \times \frac{1}{10} + 4 \times \frac{1}{1000}$

21.24

f. $0.3 \times 10^2 + 0.007 \times 10^3$

$0.3 \times 10 + 0.7 \times 10^2$

4. Dr. Mann mixed 10.357 g of chemical A, 12.062 g of chemical B, and 7.506 g of chemical C to make 5 doses of medicine.
- About how much medicine did he make in grams? Estimate the amount of each chemical by rounding to the nearest tenth of a gram before finding the sum. Show all your thinking.
 - Find the actual amount of medicine mixed by Dr. Mann. What is the difference between your estimate and the actual amount?
 - How many grams are in one dose of medicine? Explain your strategy for solving this problem.
 - Round the weight of one dose to the nearest gram.