A Story of Units®

Eureka Math™

Grade 5, Module 1

Student File_B

Contains Sprint and Fluency, Exit Ticket, and Assessment Materials

Published by the non-profit Great Minds.

Printed in the U.S.A.
This book may be purchased from the publisher at eureka-math.org
10 9 8 7 6 5 4 3 2 1

Sprint and Fluency Packet

Number Correct: _____

A

Multiply by 10

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

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

B

Number Correct: _____

Improvement: _____

Multiply by 10

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

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

Number Correct: _____

A

Multiply by 3

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

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

B

Number Correct: _____

Improvement: _____

Multiply by 3

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

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

Number Correct: _____

A

Multiply Decimals by 10, 100, and 1,000

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

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

B

Number Correct: _____

Improvement: _____

Multiply Decimals by 10, 100, and 1,000

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

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

Number Correct: _____

A

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 =	

Number Correct: _____

A

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.	$530.097 \times 10^2 =$	

Number Correct: _____

A

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 × 100 = _____

				●			

b. 684 ÷ 1,000 = _____

				●			

Name _____ Date _____

1. Solve.

   a. 32.1 × 10 = _____ b. 3632.1 ÷ 10 = _____

2. Solve.

   a. 455 × 1,000 = _____ b. 455 ÷ 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 = _____ = _____

   b. 100×100 = _____ = _____

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

   a. 3×10^2 = _____

   b. 2.16×10^4 = _____

   c. $800 \div 10^3$ = _____

   d. $754.2 \div 10^2$ = _____

Name _____ Date _____

1. Convert using an equation with an exponent.

   a. 2 meters to centimeters 2 m = _____ cm _____

   b. 40 millimeters to meters 40 mm = _____ 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.

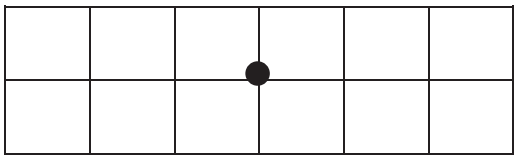
   a. Write the expanded form using fractions or decimals.

   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 = _____ tenths – _____ tenths = _____ tenths = _____

2. Subtract vertically, showing all work.

   a. 84.637 – 28.56 = _____

   b. 7 – 0.35 = _____

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 × ____ ones	3 × ____ tenths	3 × _____ 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 ÷ 2 = _____

   b. 4 groups of _____ hundredths is 0.32. 0.32 ÷ 4 = _____

   c. 7 groups of _____ thousandths is 0.021. 0.021 ÷ 7 = _____

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

   a. 4.5 ÷ 5 = _____ tenths ÷ 5 = _____ tenths = _____

   b. 6.12 ÷ 6 = _____ ones ÷ 6 + _____ hundredths ÷ 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 ÷ 2 = _____

Ones	Tenths	Hundredths	Thousandths

$$2\overline{)5.372}$$

2. Solve using the standard algorithm.

   0.576 ÷ 4 = _____

Name _____ Date _____

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

   0.9 ÷ 4 = _____

Ones	●	Tenths	Hundredths	Thousandths

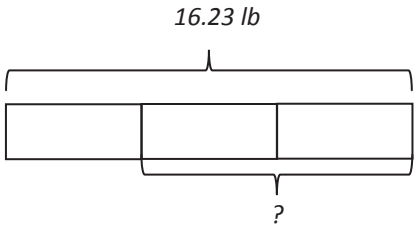
$$4 \overline{)0.9}$$

2. Solve using the standard algorithm.

   9.8 ÷ 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.

   a. 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.

   b. Find the actual amount of medicine mixed by Dr. Mann. What is the difference between your estimate and the actual amount?

   c. How many grams are in one dose of medicine? Explain your strategy for solving this problem.

   d. Round the weight of one dose to the nearest gram.