

A Story of Units[®]

Eureka Math[™]

Grade 5, Module 3

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

A

Number Correct: _____

Write the Missing Factor

1.	$10 = 5 \times \underline{\quad}$	
2.	$10 = 2 \times \underline{\quad}$	
3.	$8 = 4 \times \underline{\quad}$	
4.	$9 = 3 \times \underline{\quad}$	
5.	$6 = 2 \times \underline{\quad}$	
6.	$6 = 3 \times \underline{\quad}$	
7.	$12 = 6 \times \underline{\quad}$	
8.	$12 = 3 \times \underline{\quad}$	
9.	$12 = 4 \times \underline{\quad}$	
10.	$12 = 2 \times 2 \times \underline{\quad}$	
11.	$12 = 3 \times 2 \times \underline{\quad}$	
12.	$20 = 5 \times 2 \times \underline{\quad}$	
13.	$20 = 5 \times 2 \times \underline{\quad}$	
14.	$16 = 8 \times \underline{\quad}$	
15.	$16 = 4 \times 2 \times \underline{\quad}$	
16.	$24 = 8 \times \underline{\quad}$	
17.	$24 = 4 \times 2 \times \underline{\quad}$	
18.	$24 = 4 \times \underline{\quad} \times 2$	
19.	$24 = 3 \times 2 \times \underline{\quad}$	
20.	$24 = 3 \times \underline{\quad} \times 2$	
21.	$6 \times 4 = 8 \times \underline{\quad}$	
22.	$6 \times 4 = 4 \times 2 \times \underline{\quad}$	

23.	$28 = 7 \times \underline{\quad}$	
24.	$28 = 2 \times 2 \times \underline{\quad}$	
25.	$28 = 2 \times \underline{\quad} \times 2$	
26.	$28 = \underline{\quad} \times 2 \times 2$	
27.	$36 = 3 \times 3 \times \underline{\quad}$	
28.	$9 \times 4 = 3 \times 3 \times \underline{\quad}$	
29.	$9 \times 4 = 6 \times \underline{\quad}$	
30.	$9 \times 4 = 3 \times 2 \times \underline{\quad}$	
31.	$8 \times 6 = 4 \times \underline{\quad} \times 2$	
32.	$9 \times 9 = 3 \times \underline{\quad} \times 3$	
33.	$8 \times 8 = \underline{\quad} \times 8$	
34.	$7 \times 7 = \underline{\quad} \times 7$	
35.	$8 \times 3 = \underline{\quad} \times 6$	
36.	$16 \times 2 = \underline{\quad} \times 4$	
37.	$2 \times 18 = \underline{\quad} \times 9$	
38.	$28 \times 2 = \underline{\quad} \times 8$	
39.	$24 \times 3 = \underline{\quad} \times 9$	
40.	$6 \times 8 = \underline{\quad} \times 12$	
41.	$27 \times 3 = \underline{\quad} \times 9$	
42.	$12 \times 6 = \underline{\quad} \times 8$	
43.	$54 \times 2 = \underline{\quad} \times 12$	
44.	$9 \times 13 = \underline{\quad} \times 39$	

B

Number Correct: _____

Improvement: _____

Write the Missing Factor

1.	$6 = 2 \times \underline{\quad}$	
2.	$6 = 3 \times \underline{\quad}$	
3.	$9 = 3 \times \underline{\quad}$	
4.	$8 = 4 \times \underline{\quad}$	
5.	$10 = 5 \times \underline{\quad}$	
6.	$10 = 2 \times \underline{\quad}$	
7.	$20 = 10 \times \underline{\quad}$	
8.	$20 = 5 \times 2 \times \underline{\quad}$	
9.	$12 = 6 \times \underline{\quad}$	
10.	$12 = 3 \times \underline{\quad}$	
11.	$12 = 4 \times \underline{\quad}$	
12.	$12 = 2 \times 2 \times \underline{\quad}$	
13.	$12 = 3 \times 2 \times \underline{\quad}$	
14.	$24 = 8 \times \underline{\quad}$	
15.	$24 = 4 \times 2 \times \underline{\quad}$	
16.	$24 = 4 \times \underline{\quad} \times 2$	
17.	$24 = 3 \times 2 \times \underline{\quad}$	
18.	$24 = 3 \times \underline{\quad} \times 2$	
19.	$16 = 8 \times \underline{\quad}$	
20.	$16 = 4 \times 2 \times \underline{\quad}$	
21.	$8 \times 2 = 4 \times \underline{\quad}$	
22.	$8 \times 2 = 2 \times 2 \times \underline{\quad}$	

23.	$28 = 4 \times \underline{\quad}$	
24.	$28 = 2 \times 2 \times \underline{\quad}$	
25.	$28 = 2 \times \underline{\quad} \times 2$	
26.	$28 = \underline{\quad} \times 2 \times 2$	
27.	$36 = 2 \times 2 \times \underline{\quad}$	
28.	$9 \times 4 = 2 \times 2 \times \underline{\quad}$	
29.	$9 \times 4 = 6 \times \underline{\quad}$	
30.	$9 \times 4 = 2 \times 3 \times \underline{\quad}$	
31.	$8 \times 6 = 4 \times \underline{\quad} \times 2$	
32.	$8 \times 8 = 4 \times \underline{\quad} \times 2$	
33.	$9 \times 9 = \underline{\quad} \times 9$	
34.	$6 \times 6 = \underline{\quad} \times 6$	
35.	$6 \times 4 = \underline{\quad} \times 8$	
36.	$16 \times 2 = \underline{\quad} \times 8$	
37.	$2 \times 18 = \underline{\quad} \times 4$	
38.	$28 \times 2 = \underline{\quad} \times 7$	
39.	$24 \times 3 = \underline{\quad} \times 8$	
40.	$8 \times 6 = \underline{\quad} \times 4$	
41.	$12 \times 6 = \underline{\quad} \times 9$	
42.	$27 \times 3 = \underline{\quad} \times 9$	
43.	$54 \times 2 = \underline{\quad} \times 9$	
44.	$8 \times 13 = \underline{\quad} \times 26$	

A

Number Correct: _____

Find the Missing Numerator or Denominator

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

23.	$\frac{1}{3} = \frac{\quad}{12}$	
24.	$\frac{2}{3} = \frac{\quad}{12}$	
25.	$\frac{8}{12} = \frac{\quad}{3}$	
26.	$\frac{12}{16} = \frac{3}{\quad}$	
27.	$\frac{3}{5} = \frac{\quad}{25}$	
28.	$\frac{4}{5} = \frac{28}{\quad}$	
29.	$\frac{18}{24} = \frac{3}{\quad}$	
30.	$\frac{24}{30} = \frac{\quad}{5}$	
31.	$\frac{5}{6} = \frac{35}{\quad}$	
32.	$\frac{56}{63} = \frac{\quad}{9}$	
33.	$\frac{64}{72} = \frac{8}{\quad}$	
34.	$\frac{5}{8} = \frac{\quad}{64}$	
35.	$\frac{5}{6} = \frac{45}{\quad}$	
36.	$\frac{45}{81} = \frac{\quad}{9}$	
37.	$\frac{6}{7} = \frac{48}{\quad}$	
38.	$\frac{36}{81} = \frac{\quad}{9}$	
39.	$\frac{8}{56} = \frac{1}{\quad}$	
40.	$\frac{35}{63} = \frac{5}{\quad}$	
41.	$\frac{1}{6} = \frac{12}{\quad}$	
42.	$\frac{3}{7} = \frac{36}{\quad}$	
43.	$\frac{48}{60} = \frac{4}{\quad}$	
44.	$\frac{72}{84} = \frac{\quad}{7}$	

B

Number Correct: _____

Improvement: _____

Find the Missing Numerator or Denominator

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

23.	$\frac{1}{3} = \frac{4}{\quad}$	
24.	$\frac{2}{3} = \frac{8}{\quad}$	
25.	$\frac{8}{12} = \frac{2}{\quad}$	
26.	$\frac{12}{16} = \frac{\quad}{4}$	
27.	$\frac{3}{5} = \frac{15}{\quad}$	
28.	$\frac{4}{5} = \frac{\quad}{35}$	
29.	$\frac{18}{24} = \frac{\quad}{4}$	
30.	$\frac{24}{30} = \frac{4}{\quad}$	
31.	$\frac{5}{6} = \frac{\quad}{42}$	
32.	$\frac{56}{63} = \frac{8}{\quad}$	
33.	$\frac{64}{72} = \frac{\quad}{9}$	
34.	$\frac{5}{8} = \frac{40}{\quad}$	
35.	$\frac{5}{6} = \frac{\quad}{54}$	
36.	$\frac{45}{81} = \frac{5}{\quad}$	
37.	$\frac{6}{7} = \frac{\quad}{56}$	
38.	$\frac{36}{81} = \frac{4}{\quad}$	
39.	$\frac{8}{56} = \frac{\quad}{7}$	
40.	$\frac{35}{63} = \frac{\quad}{9}$	
41.	$\frac{1}{6} = \frac{\quad}{72}$	
42.	$\frac{3}{7} = \frac{\quad}{84}$	
43.	$\frac{48}{60} = \frac{\quad}{5}$	
44.	$\frac{72}{84} = \frac{6}{\quad}$	

A

Number Correct: _____

Find the Missing Numerator or Denominator

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

23.	$\frac{1}{3} = \frac{\quad}{12}$	
24.	$\frac{2}{3} = \frac{\quad}{12}$	
25.	$\frac{8}{12} = \frac{\quad}{3}$	
26.	$\frac{12}{16} = \frac{3}{\quad}$	
27.	$\frac{3}{5} = \frac{\quad}{25}$	
28.	$\frac{4}{5} = \frac{28}{\quad}$	
29.	$\frac{18}{24} = \frac{3}{\quad}$	
30.	$\frac{24}{30} = \frac{\quad}{5}$	
31.	$\frac{5}{6} = \frac{35}{\quad}$	
32.	$\frac{56}{63} = \frac{\quad}{9}$	
33.	$\frac{64}{72} = \frac{8}{\quad}$	
34.	$\frac{5}{8} = \frac{\quad}{64}$	
35.	$\frac{5}{6} = \frac{45}{\quad}$	
36.	$\frac{45}{81} = \frac{\quad}{9}$	
37.	$\frac{6}{7} = \frac{48}{\quad}$	
38.	$\frac{36}{81} = \frac{\quad}{9}$	
39.	$\frac{8}{56} = \frac{1}{\quad}$	
40.	$\frac{35}{63} = \frac{5}{\quad}$	
41.	$\frac{1}{6} = \frac{12}{\quad}$	
42.	$\frac{3}{7} = \frac{36}{\quad}$	
43.	$\frac{48}{60} = \frac{4}{\quad}$	
44.	$\frac{72}{84} = \frac{\quad}{7}$	

B

Number Correct: _____

Improvement: _____

Find the Missing Numerator or Denominator

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

23.	$\frac{1}{3} = \frac{4}{\quad}$	
24.	$\frac{2}{3} = \frac{8}{\quad}$	
25.	$\frac{8}{12} = \frac{2}{\quad}$	
26.	$\frac{12}{16} = \frac{\quad}{4}$	
27.	$\frac{3}{5} = \frac{15}{\quad}$	
28.	$\frac{4}{5} = \frac{\quad}{35}$	
29.	$\frac{18}{24} = \frac{\quad}{4}$	
30.	$\frac{24}{30} = \frac{4}{\quad}$	
31.	$\frac{5}{6} = \frac{\quad}{42}$	
32.	$\frac{56}{63} = \frac{8}{\quad}$	
33.	$\frac{64}{72} = \frac{\quad}{9}$	
34.	$\frac{5}{8} = \frac{40}{\quad}$	
35.	$\frac{5}{6} = \frac{\quad}{54}$	
36.	$\frac{45}{81} = \frac{5}{\quad}$	
37.	$\frac{6}{7} = \frac{\quad}{56}$	
38.	$\frac{36}{81} = \frac{4}{\quad}$	
39.	$\frac{8}{56} = \frac{\quad}{7}$	
40.	$\frac{35}{63} = \frac{\quad}{9}$	
41.	$\frac{1}{6} = \frac{\quad}{72}$	
42.	$\frac{3}{7} = \frac{\quad}{84}$	
43.	$\frac{48}{60} = \frac{\quad}{5}$	
44.	$\frac{72}{84} = \frac{6}{\quad}$	

A

Number Correct: _____

Subtracting Fractions from a Whole Number

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

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

B

Number Correct: _____

Improvement: _____

Subtracting Fractions from a Whole Number

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

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

A

Number Correct: _____

Circle the Equivalent Fraction

1.	$\frac{2}{4} =$	$\frac{1}{2}$	$\frac{1}{3}$
2.	$\frac{2}{6} =$	$\frac{1}{2}$	$\frac{1}{3}$
3.	$\frac{2}{8} =$	$\frac{1}{2}$	$\frac{1}{4}$
4.	$\frac{5}{10} =$	$\frac{1}{2}$	$\frac{1}{4}$
5.	$\frac{5}{15} =$	$\frac{1}{2}$	$\frac{1}{3}$
6.	$\frac{5}{20} =$	$\frac{1}{2}$	$\frac{1}{4}$
7.	$\frac{4}{8} =$	$\frac{1}{2}$	$\frac{1}{4}$
8.	$\frac{4}{12} =$	$\frac{1}{2}$	$\frac{1}{3}$
9.	$\frac{4}{16} =$	$\frac{1}{2}$	$\frac{1}{4}$
10.	$\frac{3}{6} =$	$\frac{1}{2}$	$\frac{1}{3}$
11.	$\frac{3}{9} =$	$\frac{1}{2}$	$\frac{1}{3}$
12.	$\frac{3}{12} =$	$\frac{1}{2}$	$\frac{1}{4}$
13.	$\frac{4}{6} =$	$\frac{2}{3}$	$\frac{1}{3}$
14.	$\frac{6}{12} =$	$\frac{2}{3}$	$\frac{1}{2}$
15.	$\frac{6}{18} =$	$\frac{2}{3}$	$\frac{1}{3}$
16.	$\frac{6}{30} =$	$\frac{1}{5}$	$\frac{1}{3}$
17.	$\frac{6}{9} =$	$\frac{2}{3}$	$\frac{1}{3}$
18.	$\frac{7}{14} =$	$\frac{1}{2}$	$\frac{1}{3}$
19.	$\frac{7}{21} =$	$\frac{1}{2}$	$\frac{1}{3}$
20.	$\frac{7}{42} =$	$\frac{1}{6}$	$\frac{1}{7}$
21.	$\frac{8}{12} =$	$\frac{2}{3}$	$\frac{3}{4}$
22.	$\frac{9}{18} =$	$\frac{1}{2}$	$\frac{1}{3}$

23.	$\frac{9}{27} =$	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{1}{4}$
24.	$\frac{9}{63} =$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$
25.	$\frac{8}{12} =$	$\frac{2}{3}$	$\frac{3}{4}$	$\frac{4}{5}$
26.	$\frac{8}{16} =$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$
27.	$\frac{8}{24} =$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$
28.	$\frac{8}{64} =$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{9}$
29.	$\frac{12}{18} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
30.	$\frac{12}{16} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
31.	$\frac{9}{12} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
32.	$\frac{6}{8} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
33.	$\frac{10}{12} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
34.	$\frac{15}{18} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
35.	$\frac{8}{10} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
36.	$\frac{16}{20} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
37.	$\frac{12}{15} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
38.	$\frac{18}{27} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
39.	$\frac{27}{36} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
40.	$\frac{32}{40} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
41.	$\frac{45}{54} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{5}{6}$
42.	$\frac{24}{36} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
43.	$\frac{60}{72} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
44.	$\frac{48}{60} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{5}{6}$

B

Number Correct: _____

Improvement: _____

Circle the Equivalent Fraction

1.	$\frac{5}{10} =$	$\frac{1}{2}$	$\frac{1}{3}$
2.	$\frac{5}{15} =$	$\frac{1}{2}$	$\frac{1}{3}$
3.	$\frac{5}{20} =$	$\frac{1}{2}$	$\frac{1}{4}$
4.	$\frac{2}{4} =$	$\frac{1}{2}$	$\frac{1}{3}$
5.	$\frac{2}{6} =$	$\frac{1}{2}$	$\frac{1}{3}$
6.	$\frac{2}{8} =$	$\frac{1}{2}$	$\frac{1}{4}$
7.	$\frac{3}{6} =$	$\frac{1}{2}$	$\frac{1}{3}$
8.	$\frac{3}{9} =$	$\frac{1}{2}$	$\frac{1}{3}$
9.	$\frac{3}{12} =$	$\frac{1}{4}$	$\frac{1}{3}$
10.	$\frac{4}{8} =$	$\frac{1}{2}$	$\frac{1}{3}$
11.	$\frac{4}{12} =$	$\frac{1}{2}$	$\frac{1}{3}$
12.	$\frac{4}{16} =$	$\frac{1}{4}$	$\frac{1}{3}$
13.	$\frac{4}{6} =$	$\frac{2}{3}$	$\frac{1}{2}$
14.	$\frac{7}{14} =$	$\frac{2}{3}$	$\frac{1}{2}$
15.	$\frac{7}{21} =$	$\frac{1}{5}$	$\frac{1}{3}$
16.	$\frac{7}{35} =$	$\frac{1}{5}$	$\frac{1}{3}$
17.	$\frac{6}{9} =$	$\frac{2}{3}$	$\frac{1}{3}$
18.	$\frac{6}{12} =$	$\frac{1}{2}$	$\frac{1}{3}$
19.	$\frac{6}{18} =$	$\frac{1}{6}$	$\frac{1}{3}$
20.	$\frac{6}{36} =$	$\frac{1}{6}$	$\frac{1}{3}$
21.	$\frac{8}{12} =$	$\frac{2}{3}$	$\frac{3}{4}$
22.	$\frac{8}{16} =$	$\frac{1}{2}$	$\frac{1}{3}$

23.	$\frac{8}{24} =$	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{1}{4}$
24.	$\frac{8}{56} =$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$
25.	$\frac{8}{12} =$	$\frac{2}{3}$	$\frac{3}{4}$	$\frac{4}{5}$
26.	$\frac{9}{18} =$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$
27.	$\frac{9}{27} =$	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$
28.	$\frac{9}{72} =$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{9}$
29.	$\frac{12}{18} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
30.	$\frac{6}{8} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
31.	$\frac{9}{12} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
32.	$\frac{12}{16} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
33.	$\frac{8}{10} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
34.	$\frac{16}{20} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
35.	$\frac{12}{15} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
36.	$\frac{10}{12} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{5}{6}$
37.	$\frac{15}{18} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
38.	$\frac{16}{24} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
39.	$\frac{24}{32} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
40.	$\frac{36}{45} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
41.	$\frac{40}{48} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{5}{6}$
42.	$\frac{24}{36} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
43.	$\frac{48}{60} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{4}{5}$
44.	$\frac{60}{72} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$

A

Number Correct: _____

Add and Subtract Fractions with Like Units

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

23.	$\frac{1}{9} + \frac{1}{9} + \frac{1}{9} =$	
24.	$\frac{1}{9} + \frac{3}{9} + \frac{1}{9} =$	
25.	$\frac{4}{9} - \frac{1}{9} - \frac{3}{9} =$	
26.	$\frac{1}{4} + \frac{2}{4} + \frac{1}{4} =$	
27.	$\frac{1}{8} + \frac{3}{8} + \frac{2}{8} =$	
28.	$\frac{5}{12} + \frac{1}{12} + \frac{5}{12} =$	
29.	$\frac{2}{9} + \frac{3}{9} + \frac{2}{9} =$	
30.	$\frac{3}{10} - \frac{3}{10} + \frac{3}{10} =$	
31.	$\frac{3}{5} - \frac{1}{5} - \frac{1}{5} =$	
32.	$\frac{1}{6} + \frac{2}{6} =$	
33.	$\frac{3}{12} + \frac{4}{12} =$	
34.	$\frac{3}{12} + \frac{6}{12} =$	
35.	$\frac{4}{8} + \frac{2}{8} =$	
36.	$\frac{4}{12} + \frac{1}{12} =$	
37.	$\frac{1}{5} + \frac{3}{5} =$	
38.	$\frac{2}{5} + \frac{2}{5} =$	
39.	$\frac{1}{6} + \frac{2}{6} =$	
40.	$\frac{5}{12} - \frac{3}{12} =$	
41.	$\frac{7}{15} - \frac{2}{15} =$	
42.	$\frac{7}{15} - \frac{3}{15} =$	
43.	$\frac{11}{15} - \frac{2}{15} =$	
44.	$\frac{2}{15} + \frac{4}{15} =$	

B

Number Correct: _____

Improvement: _____

Add and Subtract Fractions with Like Units

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

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

A

Number Correct: _____

Add and Subtract Whole Numbers and Ones with Fraction Units

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

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

B

Number Correct: _____

Improvement: _____

Add and Subtract Whole Numbers and Ones with Fraction Units

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

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

A

Number Correct: _____

Subtract Fractions with Unlike Units

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

23.	$\frac{4}{5} - \frac{7}{10} =$	
24.	$\frac{2}{12} - \frac{1}{12} =$	
25.	$\frac{1}{6} - \frac{1}{12} =$	
26.	$\frac{6}{12} - \frac{1}{12} =$	
27.	$\frac{1}{2} - \frac{1}{12} =$	
28.	$\frac{1}{2} - \frac{5}{12} =$	
29.	$\frac{10}{12} - \frac{5}{12} =$	
30.	$\frac{5}{6} - \frac{5}{12} =$	
31.	$\frac{1}{3} - \frac{3}{12} =$	
32.	$\frac{2}{3} - \frac{1}{12} =$	
33.	$\frac{2}{3} - \frac{3}{12} =$	
34.	$\frac{2}{3} - \frac{7}{12} =$	
35.	$\frac{1}{4} - \frac{2}{12} =$	
36.	$\frac{1}{5} - \frac{1}{15} =$	
37.	$\frac{1}{3} - \frac{1}{15} =$	
38.	$\frac{2}{3} - \frac{3}{15} =$	
39.	$\frac{2}{5} - \frac{4}{15} =$	
40.	$\frac{3}{4} - \frac{2}{12} =$	
41.	$\frac{3}{4} - \frac{5}{16} =$	
42.	$\frac{4}{5} - \frac{5}{15} =$	
43.	$\frac{3}{4} - \frac{4}{12} =$	
44.	$\frac{3}{4} - \frac{7}{16} =$	

B

Number Correct: _____

Improvement: _____

Subtract Fractions with Unlike Units

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

23.	$\frac{3}{4} - \frac{3}{8} =$	
24.	$\frac{5}{15} - \frac{1}{15} =$	
25.	$\frac{1}{3} - \frac{1}{15} =$	
26.	$\frac{3}{15} - \frac{1}{15} =$	
27.	$\frac{1}{5} - \frac{1}{15} =$	
28.	$\frac{1}{5} - \frac{2}{15} =$	
29.	$\frac{12}{15} - \frac{4}{15} =$	
30.	$\frac{4}{5} - \frac{4}{15} =$	
31.	$\frac{1}{4} - \frac{2}{12} =$	
32.	$\frac{3}{4} - \frac{2}{12} =$	
33.	$\frac{3}{4} - \frac{4}{12} =$	
34.	$\frac{3}{4} - \frac{8}{12} =$	
35.	$\frac{1}{3} - \frac{3}{12} =$	
36.	$\frac{1}{6} - \frac{1}{12} =$	
37.	$\frac{1}{3} - \frac{3}{15} =$	
38.	$\frac{2}{3} - \frac{2}{15} =$	
39.	$\frac{2}{5} - \frac{2}{15} =$	
40.	$\frac{3}{4} - \frac{4}{12} =$	
41.	$\frac{3}{4} - \frac{7}{16} =$	
42.	$\frac{4}{5} - \frac{4}{15} =$	
43.	$\frac{3}{4} - \frac{2}{12} =$	
44.	$\frac{3}{4} - \frac{5}{16} =$	

A

Number Correct: _____

Make Larger Units

1.	$\frac{2}{4} =$	
2.	$\frac{2}{6} =$	
3.	$\frac{2}{8} =$	
4.	$\frac{5}{10} =$	
5.	$\frac{5}{15} =$	
6.	$\frac{5}{20} =$	
7.	$\frac{4}{8} =$	
8.	$\frac{4}{12} =$	
9.	$\frac{4}{16} =$	
10.	$\frac{3}{6} =$	
11.	$\frac{3}{9} =$	
12.	$\frac{3}{12} =$	
13.	$\frac{4}{6} =$	
14.	$\frac{6}{12} =$	
15.	$\frac{6}{18} =$	
16.	$\frac{6}{30} =$	
17.	$\frac{6}{9} =$	
18.	$\frac{7}{14} =$	
19.	$\frac{7}{21} =$	
20.	$\frac{7}{42} =$	
21.	$\frac{8}{12} =$	
22.	$\frac{9}{18} =$	

23.	$\frac{9}{27} =$	
24.	$\frac{9}{63} =$	
25.	$\frac{8}{12} =$	
26.	$\frac{8}{16} =$	
27.	$\frac{8}{24} =$	
28.	$\frac{8}{64} =$	
29.	$\frac{12}{18} =$	
30.	$\frac{12}{16} =$	
31.	$\frac{9}{12} =$	
32.	$\frac{6}{8} =$	
33.	$\frac{10}{12} =$	
34.	$\frac{15}{18} =$	
35.	$\frac{8}{10} =$	
36.	$\frac{16}{20} =$	
37.	$\frac{12}{15} =$	
38.	$\frac{18}{27} =$	
39.	$\frac{27}{36} =$	
40.	$\frac{32}{40} =$	
41.	$\frac{45}{54} =$	
42.	$\frac{24}{36} =$	
43.	$\frac{60}{72} =$	
44.	$\frac{48}{60} =$	

B

Number Correct: _____

Improvement: _____

Make Larger Units

1.	$\frac{5}{10} =$	
2.	$\frac{5}{15} =$	
3.	$\frac{5}{20} =$	
4.	$\frac{2}{4} =$	
5.	$\frac{2}{6} =$	
6.	$\frac{2}{8} =$	
7.	$\frac{3}{6} =$	
8.	$\frac{3}{9} =$	
9.	$\frac{3}{12} =$	
10.	$\frac{4}{8} =$	
11.	$\frac{4}{12} =$	
12.	$\frac{4}{16} =$	
13.	$\frac{4}{6} =$	
14.	$\frac{7}{14} =$	
15.	$\frac{7}{21} =$	
16.	$\frac{7}{35} =$	
17.	$\frac{6}{9} =$	
18.	$\frac{6}{12} =$	
19.	$\frac{6}{18} =$	
20.	$\frac{6}{36} =$	
21.	$\frac{8}{12} =$	
22.	$\frac{8}{16} =$	

23.	$\frac{8}{24} =$	
24.	$\frac{8}{56} =$	
25.	$\frac{8}{12} =$	
26.	$\frac{9}{18} =$	
27.	$\frac{9}{27} =$	
28.	$\frac{9}{72} =$	
29.	$\frac{12}{18} =$	
30.	$\frac{6}{8} =$	
31.	$\frac{9}{12} =$	
32.	$\frac{12}{16} =$	
33.	$\frac{8}{10} =$	
34.	$\frac{16}{20} =$	
35.	$\frac{12}{15} =$	
36.	$\frac{10}{12} =$	
37.	$\frac{15}{18} =$	
38.	$\frac{16}{24} =$	
39.	$\frac{24}{32} =$	
40.	$\frac{36}{45} =$	
41.	$\frac{40}{48} =$	
42.	$\frac{24}{36} =$	
43.	$\frac{48}{60} =$	
44.	$\frac{60}{72} =$	

A

Number Correct: _____

Circle the Smaller Fraction

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

23.	$\frac{1}{4}$	$\frac{1}{8}$
24.	$\frac{1}{4}$	$\frac{3}{8}$
25.	$\frac{1}{4}$	$\frac{7}{12}$
26.	$\frac{1}{4}$	$\frac{11}{12}$
27.	$\frac{1}{6}$	$\frac{7}{12}$
28.	$\frac{1}{6}$	$\frac{11}{12}$
29.	$\frac{2}{3}$	$\frac{1}{6}$
30.	$\frac{2}{3}$	$\frac{5}{6}$
31.	$\frac{2}{3}$	$\frac{2}{9}$
32.	$\frac{2}{3}$	$\frac{4}{9}$
33.	$\frac{2}{3}$	$\frac{1}{12}$
34.	$\frac{2}{3}$	$\frac{5}{12}$
35.	$\frac{2}{3}$	$\frac{11}{12}$
36.	$\frac{2}{3}$	$\frac{7}{12}$
37.	$\frac{3}{4}$	$\frac{1}{8}$
38.	$\frac{3}{4}$	$\frac{1}{8}$
39.	$\frac{5}{6}$	$\frac{7}{12}$
40.	$\frac{5}{6}$	$\frac{5}{12}$
41.	$\frac{6}{7}$	$\frac{38}{42}$
42.	$\frac{7}{8}$	$\frac{62}{72}$
43.	$\frac{49}{54}$	$\frac{8}{9}$
44.	$\frac{67}{72}$	$\frac{11}{12}$

B

Number Correct: _____

Improvement: _____

Circle the Smaller Fraction

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

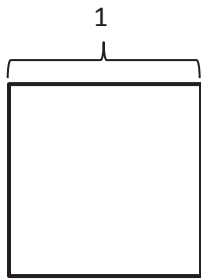
23.	$\frac{1}{4}$	$\frac{5}{8}$
24.	$\frac{1}{4}$	$\frac{7}{8}$
25.	$\frac{1}{4}$	$\frac{1}{12}$
26.	$\frac{1}{4}$	$\frac{5}{12}$
27.	$\frac{1}{6}$	$\frac{1}{12}$
28.	$\frac{1}{6}$	$\frac{5}{12}$
29.	$\frac{2}{3}$	$\frac{1}{9}$
30.	$\frac{2}{3}$	$\frac{7}{9}$
31.	$\frac{2}{3}$	$\frac{5}{9}$
32.	$\frac{2}{3}$	$\frac{8}{9}$
33.	$\frac{3}{4}$	$\frac{1}{2}$
34.	$\frac{3}{4}$	$\frac{5}{12}$
35.	$\frac{3}{4}$	$\frac{11}{12}$
36.	$\frac{3}{4}$	$\frac{7}{12}$
37.	$\frac{5}{6}$	$\frac{1}{12}$
38.	$\frac{5}{6}$	$\frac{11}{12}$
39.	$\frac{3}{4}$	$\frac{5}{8}$
40.	$\frac{3}{4}$	$\frac{3}{8}$
41.	$\frac{6}{7}$	$\frac{34}{42}$
42.	$\frac{7}{8}$	$\frac{64}{72}$
43.	$\frac{47}{54}$	$\frac{8}{9}$
44.	$\frac{65}{72}$	$\frac{11}{12}$

Exit Ticket Packet

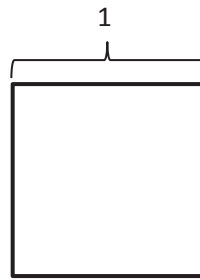
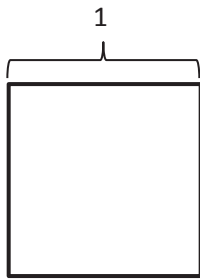
Name _____

Date _____

Estimate to mark points 0 and 1 above the number line, and $\frac{0}{6}$, $\frac{1}{6}$, $\frac{2}{6}$, $\frac{3}{6}$, $\frac{4}{6}$, $\frac{5}{6}$, and $\frac{6}{6}$ below it. Use the squares below to represent fractions equivalent to 1 sixth using both arrays and equations.



$$\frac{1}{6} = \frac{1 \times 2}{6 \times 2} = \frac{2}{12}$$



Name _____

Date _____

1. Show each expression on a number line. Solve.

a. $\frac{5}{5} + \frac{2}{5}$

b. $\frac{6}{3} + \frac{2}{3}$

2. Express each fraction as the sum of two or three equal fractional parts. Rewrite each as a multiplication equation. Show Part (b) on a number line.

a. $\frac{6}{9}$

b. $\frac{15}{4}$

Name _____

Date _____

Solve by drawing the rectangular fraction model.

1. $\frac{1}{2} + \frac{1}{5} =$

2. In one hour, Ed used $\frac{2}{5}$ of the time to complete his homework and $\frac{1}{4}$ of the time to check his email. How much time did he spend completing homework and checking email? Write your answer as a fraction. (Extension: Write the answer in minutes.)

Name _____

Date _____

1. Draw a model to help solve $\frac{5}{6} + \frac{1}{4}$. Write your answer as a mixed number.

2. Patrick drank $\frac{3}{4}$ liter of water Monday before jogging. He drank $\frac{4}{5}$ liter of water after his jog. How much water did Patrick drink altogether? Write your answer as a mixed number.

Name _____

Date _____

For the following problems, draw a picture using the rectangular fraction model and write the answer. Simplify your answer, if possible.

a. $\frac{1}{2} - \frac{1}{7} =$

b. $\frac{3}{5} - \frac{1}{2} =$

Name _____

Date _____

For the following problems, draw a picture using the rectangular fraction model and write the answer. Simplify your answer, if possible.

a. $1\frac{1}{5} - \frac{1}{2} =$

b. $1\frac{1}{3} - \frac{5}{6} =$

Name _____

Date _____

Solve the word problem using the RDW strategy. Show all of your work.

Mr. Pham mowed $\frac{2}{7}$ of his lawn. His son mowed $\frac{1}{4}$ of it. Who mowed the most? How much of the lawn still needs to be mowed?

Name _____

Date _____

Add or subtract.

a. $5 + 1\frac{7}{8} =$

b. $3 - 1\frac{3}{4} =$

c. $7\frac{3}{8} + 4 =$

d. $4 - 2\frac{3}{7} =$

Name _____

Date _____

Make like units, and then add.

a. $\frac{1}{6} + \frac{3}{4} =$

b. $1\frac{1}{2} + \frac{2}{5} =$

Name _____

Date _____

Add.

1. $3\frac{1}{2} + 1\frac{1}{3} =$

2. $4\frac{5}{7} + 3\frac{3}{4} =$

Name _____

Date _____

Generate equivalent fractions to get like units. Then, subtract.

a. $\frac{3}{4} - \frac{3}{10} =$

b. $3\frac{1}{2} - 1\frac{1}{3} =$

Name _____

Date _____

Subtract.

1. $5\frac{1}{2} - 1\frac{1}{3} =$

2. $8\frac{3}{4} - 5\frac{5}{6} =$

Name _____

Date _____

1. Circle the correct answer.

a. $\frac{1}{2} + \frac{5}{12}$ greater than 1 less than 1

b. $2\frac{7}{8} - 1\frac{7}{9}$ greater than 1 less than 1

c. $1\frac{1}{12} - \frac{7}{10}$ greater than $\frac{1}{2}$ less than $\frac{1}{2}$

d. $\frac{3}{7} + \frac{1}{8}$ greater than $\frac{1}{2}$ less than $\frac{1}{2}$

2. Use $>$, $<$, or $=$ to make the following statement true.

$$4\frac{4}{5} + 3\frac{2}{3} \text{ ______ } 8\frac{1}{2}$$

Name _____

Date _____

Fill in the blank to make the statement true.

1. $1\frac{3}{4} + \frac{1}{6} + \underline{\hspace{2cm}} = 7\frac{1}{2}$

2. $8\frac{4}{5} - \frac{2}{3} - \underline{\hspace{2cm}} = 3\frac{1}{10}$

Name _____

Date _____

Solve the word problem using the RDW strategy. Show all of your work.

Cheryl bought a sandwich for $5\frac{1}{2}$ dollars and a drink for \$2.60. If she paid for her meal with a \$10 bill, how much money did she have left? Write your answer as a fraction and in dollars and cents.

Name _____

Date _____

Draw the following ribbons.

- a. 1 ribbon. The piece shown below is only $\frac{2}{3}$ of the whole. Complete the drawing to show the whole ribbon.



- b. 1 ribbon. The piece shown below is $\frac{1}{4}$ of the whole. Complete the drawing to show the whole ribbon.



- c. 3 ribbons, A, B, and C. 1 third of A is the same length as B. C is half as long as B. Draw a picture of the ribbons.

Assessment Packet

- c. With the remaining $\frac{3}{4}$ gallon of honey, Lila decided to bake some loaves of bread and several batches of cookies for her school bake sale. The bread needed $\frac{1}{6}$ gallon of honey and the cookies needed $\frac{1}{4}$ gallon. How much honey was left over? Support your answer using a diagram, numbers, and words.
- d. Lila decided to make more baked goods for the bake sale. She used $\frac{1}{8}$ lb less flour to make bread than to make cookies. She used $\frac{1}{4}$ lb more flour to make cookies than to make brownies. If she used $\frac{1}{2}$ lb of flour to make the bread, how much flour did she use to make the brownies? Explain your answer using a diagram, numbers, and words.

2. Sheldon harvests the strawberries and tomatoes in his garden.
- a. He picks $1\frac{2}{5}$ kg less strawberries in the morning than in the afternoon. If Sheldon picks $2\frac{1}{4}$ kg in the morning, how many kilograms of strawberries does he pick in the afternoon? Explain your answer using words, pictures, or equations.
- b. Sheldon also picks tomatoes from his garden. He picked $5\frac{3}{10}$ kg, but 1.5 kg were rotten and had to be thrown away. How many kilograms of tomatoes were not rotten? Write an equation that shows how you reached your answer.
- c. After throwing away the rotten tomatoes, did Sheldon get more kilograms of strawberries or tomatoes? How many more kilograms? Explain your answer using an equation.