Lesson 21

Sprint

Side A

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

Side B

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

Problem Set

1. a. Tape diagrams represent $\frac{3}{4}$ and $\frac{2}{4}$; $\frac{3}{4}+\frac{2}{4}=\frac{5}{4}$; number bond shows $\frac{5}{4}$ as $\frac{4}{4}$ and $\frac{1}{4}$; $1\frac{1}{4}$

   b. Tape diagrams represent $\frac{4}{6}$ and $\frac{3}{6}$; $\frac{4}{6}+\frac{3}{6}=\frac{7}{6}$; number bond shows $\frac{7}{6}$ as $\frac{6}{6}$ and $\frac{1}{6}$; $1\frac{1}{6}$

   c. Tape diagrams represent $\frac{5}{6}$ and $\frac{2}{6}$; $\frac{5}{6}+\frac{2}{6}=\frac{7}{6}$; number bond shows $\frac{7}{6}$ as $\frac{6}{6}$ and $\frac{1}{6}$; $1\frac{1}{6}$

   d. Tape diagrams represent $\frac{8}{10}$ and $\frac{7}{10}$; $\frac{8}{10}+\frac{7}{10}=\frac{15}{10}$; number bond shows $\frac{15}{10}$ as $\frac{10}{10}$ and $\frac{5}{10}$; $1\frac{5}{10}$

2. a. Number line models $\frac{2}{4}+\frac{3}{4}$; $\frac{2}{4}+\frac{3}{4}=\frac{5}{4}$; number bond shows $\frac{5}{4}$ as $\frac{4}{4}$ and $\frac{1}{4}$; $1\frac{1}{4}$

   b. Number line models $\frac{4}{8}+\frac{6}{8}$; $\frac{4}{8}+\frac{6}{8}=\frac{10}{8}$; number bond shows $\frac{10}{8}$ as $\frac{8}{8}$ and $\frac{2}{8}$; $1\frac{2}{8}$

   c. Number line models $\frac{7}{10}+\frac{6}{10}$; $\frac{7}{10}+\frac{6}{10}=\frac{13}{10}$; number bond shows $\frac{13}{10}$ as $\frac{10}{10}$ and $\frac{3}{10}$; $1\frac{3}{10}$

   d. Number line models $\frac{4}{6}+\frac{5}{6}$; $\frac{4}{6}+\frac{5}{6}=\frac{9}{6}$; number bond shows $\frac{9}{6}$ as $\frac{6}{6}$ and $\frac{3}{6}$; $1\frac{3}{6}$

3. a. $\frac{6}{8}+\frac{2}{8}=\frac{8}{8}=1$

   b. $\frac{4}{6}+\frac{3}{6}=\frac{7}{6}=1\frac{1}{6}$

   c. $\frac{4}{6}+\frac{4}{6}=\frac{8}{6}=1\frac{2}{6}$

   d. $\frac{8}{10}+\frac{6}{10}=\frac{14}{10}=1\frac{4}{10}$

   e. $\frac{5}{8}+\frac{6}{8}=\frac{11}{8}=1\frac{3}{8}$

   f. $\frac{5}{8}+\frac{4}{8}=\frac{9}{8}=1\frac{1}{8}$

   g. $\frac{4}{8}+\frac{5}{8}=\frac{9}{8}=1\frac{1}{8}$

   h. $\frac{3}{10}+\frac{8}{10}=\frac{11}{10}=1\frac{1}{10}$

Exit Ticket

1. $\frac{1}{4}+\frac{7}{8}=\frac{2}{8}+\frac{7}{8}=\frac{9}{8}$; number bond shows $\frac{9}{8}$ as $\frac{8}{8}$ and $\frac{1}{8}$; $1\frac{1}{8}$

2. $\frac{2}{3}+\frac{7}{12}=\frac{8}{12}+\frac{7}{12}=\frac{15}{12}$; number bond shows $\frac{15}{12}$ as $\frac{12}{12}$ and $\frac{3}{12}$; $1\frac{3}{12}$

Homework

1. a. Tape diagrams represent $\frac{7}{8}$ and $\frac{2}{8}$; $\frac{7}{8}+\frac{2}{8}=\frac{9}{8}$; number bond shows $\frac{9}{8}$ as $\frac{8}{8}$ and $\frac{1}{8}$; $1\frac{1}{8}$

   b. Tape diagrams represent $\frac{4}{8}$ and $\frac{4}{8}$; $\frac{4}{8}+\frac{4}{8}=\frac{8}{8}$; 1

   c. Tape diagrams represent $\frac{4}{6}$ and $\frac{3}{6}$; $\frac{4}{6}+\frac{3}{6}=\frac{7}{6}$; number bond shows $\frac{7}{6}$ as $\frac{6}{6}$ and $\frac{1}{6}$; $1\frac{1}{6}$

   d. Tape diagrams represent $\frac{6}{10}$ and $\frac{8}{10}$; $\frac{6}{10}+\frac{8}{10}=\frac{14}{10}$; number bond shows $\frac{14}{10}$ as $\frac{10}{10}$ and $\frac{4}{10}$; $1\frac{4}{10}$

2. a. Number line models $\frac{4}{8}+\frac{5}{8}$; $\frac{4}{8}+\frac{5}{8}=\frac{9}{8}$; number bond shows $\frac{9}{8}$ as $\frac{8}{8}$ and $\frac{1}{8}$; $1\frac{1}{8}$

   b. Number line models $\frac{6}{8}+\frac{3}{8}$; $\frac{6}{8}+\frac{3}{8}=\frac{9}{8}$; number bond shows $\frac{9}{8}$ as $\frac{8}{8}$ and $\frac{1}{8}$; $1\frac{1}{8}$

   c. Number line models $\frac{4}{10}+\frac{8}{10}$; $\frac{4}{10}+\frac{8}{10}=\frac{12}{10}$; number bond shows $\frac{12}{10}$ as $\frac{10}{10}$ and $\frac{2}{10}$; $1\frac{2}{10}$

   d. Number line models $\frac{2}{6}+\frac{5}{6}$; $\frac{2}{6}+\frac{5}{6}=\frac{7}{6}$; number bond shows $\frac{7}{6}$ as $\frac{6}{6}$ and $\frac{1}{6}$; $1\frac{1}{6}$

3. a. $\frac{4}{8}+\frac{6}{8}=\frac{10}{8}=1\frac{2}{8}$

   b. $\frac{7}{8}+\frac{6}{8}=\frac{13}{8}=1\frac{5}{8}$

   c. $\frac{5}{6}+\frac{2}{6}=\frac{7}{6}=1\frac{1}{6}$

   d. $\frac{9}{10}+\frac{4}{10}=\frac{13}{10}=1\frac{3}{10}$

   e. $\frac{4}{12}+\frac{9}{12}=\frac{13}{12}=1\frac{1}{12}$

   f. $\frac{3}{6}+\frac{5}{6}=\frac{8}{6}=1\frac{2}{6}$

   g. $\frac{3}{12}+\frac{10}{12}=\frac{13}{12}=1\frac{1}{12}$

   h. $\frac{7}{10}+\frac{8}{10}=\frac{15}{10}=1\frac{5}{10}$