Name _____ Date _____

Fractions Skill 5 - 12B

Print in black and white or color.

Add and Subtract Unlike Fractions

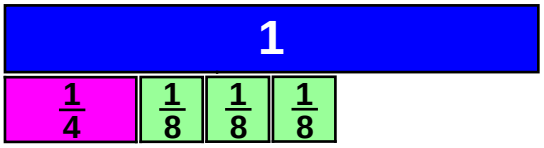
Test question 12B

Add fractions with unlike denominators using fraction bars.

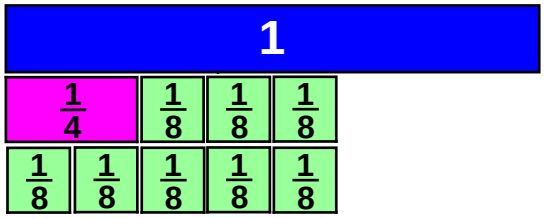
Directions: Add.

$\frac{1}{4} + \frac{3}{8}$

Place one whole bar as shown below. Place a $\frac{1}{4}$ bar and (3) $\frac{1}{8}$ bars under the whole bar.



Next, find like fraction bars. Look at the third row. Five $\frac{1}{8}$ fraction bars fit exactly under row 2.



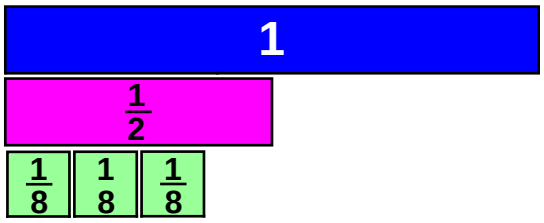
So, $\frac{1}{4} + \frac{3}{8} = \frac{2}{8} + \frac{3}{8} = \frac{5}{8}$.

Subtract fractions with unlike denominators using fraction bars.

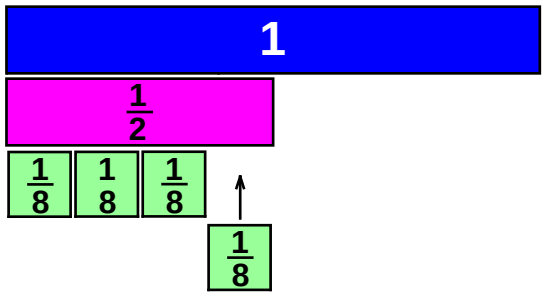
Directions: Subtract.

$\frac{1}{2} - \frac{3}{8}$

Place one whole bar as shown. Place a $\frac{1}{2}$ bar and (3) $\frac{1}{8}$ bars under the whole bar to show $\frac{1}{2} - \frac{3}{8}$.



Next, place a fraction bar that fits exactly in the space where the arrow is pointing. This is the difference.



So, $\frac{1}{2} - \frac{3}{8} = \frac{1}{8}$

Directions: Add. Use fraction bars.

1. $\frac{1}{4} + \frac{1}{2}$

2. $\frac{4}{8} + \frac{1}{4}$

3. $\frac{3}{9} + \frac{1}{3}$

4. $\frac{3}{10} + \frac{3}{5}$

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

6. $\frac{1}{4} + \frac{1}{2}$

7. $\frac{5}{10} + \frac{2}{5}$

8. $\frac{1}{4} + \frac{3}{8}$

9. $\frac{4}{6} + \frac{1}{12}$

Fractions
Skill 5 - 12B

Add and Subtract Unlike Fractions

Directions: Add. Use fraction bars.

10. $\frac{3}{6} + \frac{1}{3}$ **11**. $\frac{1}{6} + \frac{1}{2}$ **12**. $\frac{1}{2} + \frac{1}{4}$

13. $\frac{3}{12} + \frac{1}{6}$ **14**. $\frac{2}{9} + \frac{1}{3}$ **15**. $\frac{1}{4} + \frac{1}{6}$

16. $\frac{1}{8} + \frac{3}{4}$ **17.** $\frac{1}{3} + \frac{1}{6}$ **18.** $\frac{1}{2} + \frac{2}{4}$

19. $\frac{2}{5} + \frac{3}{10}$ **20**. $\frac{1}{2} + \frac{1}{6}$ **21**. $\frac{2}{3} + \frac{1}{6}$

22. $\frac{3}{8} + \frac{2}{4}$ **23**. $\frac{3}{10} + \frac{1}{2}$ **24**. $\frac{1}{4} + \frac{1}{3}$

Directions: Subtract. Use fraction bars.

25. $\frac{4}{6} - \frac{1}{2}$ **26**. $\frac{2}{3} - \frac{2}{4}$ **27**. $\frac{4}{8} - \frac{1}{4}$

28. $\frac{6}{12} - \frac{1}{4}$ **29**. $\frac{2}{3} - \frac{1}{12}$ **30**. $\frac{6}{10} - \frac{1}{2}$

31. $\frac{5}{6} - \frac{2}{3}$ **32.** $\frac{6}{8} - \frac{1}{2}$ **33.** $\frac{3}{6} - \frac{1}{12}$

34. $\frac{6}{12} - \frac{1}{6}$ **35**. $\frac{2}{3} - \frac{1}{6}$ **36**. $\frac{3}{4} - \frac{3}{8}$

37. $\frac{4}{5} - \frac{2}{10}$ **38**. $\frac{3}{6} - \frac{1}{3}$ **39**. $\frac{5}{8} - \frac{1}{4}$

40. $\frac{3}{6} - \frac{1}{12}$ **41**. $\frac{4}{6} - \frac{1}{2}$ **42**. $\frac{3}{4} - \frac{1}{2}$

43. $\frac{2}{4} - \frac{2}{8}$ **44**. $\frac{5}{6} - \frac{1}{3}$ **45**. $\frac{4}{10} - \frac{1}{5}$

Answers: Skill 12B, Grade 5

1. $\frac{3}{4}$ **2**. $\frac{6}{8}$ or $\frac{3}{4}$ **3**. $\frac{6}{9}$ or $\frac{2}{3}$ **4**. $\frac{9}{10}$ **5**. $\frac{9}{10}$ **6**. $\frac{3}{4}$ **7**. $\frac{9}{10}$

8. $\frac{5}{8}$ **9**. $\frac{9}{12}$ or $\frac{3}{4}$ **10**. $\frac{5}{6}$ **11**. $\frac{4}{6}$ or $\frac{2}{3}$ **12**. $\frac{3}{4}$ **13**. $\frac{5}{12}$ **14**. $\frac{5}{9}$

15. $\frac{5}{12}$ **16**. $\frac{7}{8}$ **17**. $\frac{3}{6}$ or $\frac{1}{3}$ **18**. $\frac{3}{4}$ **19**. $\frac{7}{10}$ **20**. $\frac{4}{6}$ or $\frac{2}{3}$ **21**. $\frac{5}{6}$

22. $\frac{7}{8}$ **23**. $\frac{8}{10}$ or $\frac{4}{5}$ **24**. $\frac{7}{12}$ **25**. $\frac{1}{6}$ **26**. $\frac{2}{12}$ or $\frac{1}{6}$ **27**. $\frac{2}{8}$ or $\frac{1}{4}$ **28**. $\frac{3}{12}$ or $\frac{1}{4}$

29. $\frac{7}{12}$ **30**. $\frac{1}{10}$ **31**. $\frac{1}{6}$ **32**. $\frac{2}{8}$ or $\frac{1}{4}$ **33**. $\frac{5}{12}$ **34**. $\frac{4}{12}$ or $\frac{1}{3}$ **35**. $\frac{3}{6}$ or $\frac{1}{2}$

36. $\frac{3}{8}$ **37**. $\frac{6}{10}$ **38**. $\frac{1}{6}$ **39**. $\frac{3}{8}$ **40**. $\frac{5}{12}$ **41**. $\frac{1}{6}$ **42**. $\frac{1}{4}$

43. $\frac{2}{8}$ or $\frac{1}{4}$ **44**. $\frac{3}{6}$ or $\frac{1}{3}$ **45**. $\frac{2}{10}$ or $\frac{1}{5}$