

LESSON

2

Fraction Operations**Practice B: Adding and Subtracting with Unlike Denominators****Add or subtract. Write each answer in simplest form.**

1. $\frac{6}{7} + \frac{1}{3}$

2. $\frac{3}{7} - \frac{2}{5}$

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

4. $\frac{7}{8} - \frac{2}{3}$

5. $\frac{1}{6} + \frac{3}{5}$

6. $\frac{5}{6} - \frac{2}{3}$

7. $\frac{5}{9} - \frac{1}{3}$

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

9. $\frac{5}{12} - \frac{1}{6}$

10. $\frac{4}{5} - \frac{7}{11}$

11. $\frac{4}{9} + \frac{5}{6}$

12. $\frac{5}{8} + \frac{2}{3}$

Evaluate each expression for $b = \frac{1}{3}$. Write your answer in simplest form.

13. $b + \frac{5}{8}$

14. $\frac{7}{9} - b$

15. $\frac{2}{7} + b$

16. $b + b$

17. $\frac{11}{12} - b$

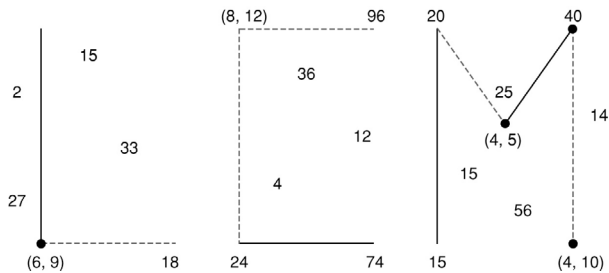
18. $\frac{3}{4} - b$

19. There are three grades in Mona's middle school—sixth, seventh, and eighth. One-third of the students are in sixth grade and $\frac{1}{4}$ are in seventh grade. What fraction of the schools' students are in eighth grade?

20. Kyle is making a dessert that calls for $\frac{4}{5}$ cup of crushed cookies. If he has already crushed $\frac{7}{10}$ cup, how much more does he need?

- List the multiples of both numbers.
- Compare the multiples they have in common
- It is the smallest multiple.

Puzzles, Twisters & Teasers



Answers for Lesson 2

Practice A

- | | |
|--------------------------|--------------------------|
| 1. 4 | 2. 24 |
| 3. 12 | 4. 15 |
| 5. 20 | 6. 10 |
| 7. $1\frac{1}{6}$ | 8. $\frac{1}{4}$ |
| 9. $\frac{1}{12}$ | 10. $\frac{3}{10}$ |
| 11. $\frac{1}{2}$ | 12. $\frac{9}{10}$ |
| 13. $\frac{3}{8}$ | 14. $\frac{9}{20}$ |
| 15. $\frac{1}{8}$ | 16. $\frac{3}{14}$ |
| 17. $\frac{2}{3}$ | 18. $1\frac{1}{3}$ |
| 19. $1\frac{1}{4}$ hours | 20. $1\frac{1}{3}$ miles |

Practice B

- | | |
|--------------------|-------------------|
| 1. $1\frac{4}{21}$ | 2. $\frac{1}{35}$ |
| 3. $\frac{5}{8}$ | 4. $\frac{5}{24}$ |
| 5. $\frac{23}{30}$ | 6. $\frac{1}{6}$ |
| 7. $\frac{2}{9}$ | 8. $1\frac{5}{8}$ |

- | | |
|------------------------------------|---------------------|
| 9. $\frac{1}{4}$ | 10. $\frac{9}{55}$ |
| 11. $1\frac{5}{18}$ | 12. $1\frac{7}{24}$ |
| 13. $\frac{23}{24}$ | 14. $\frac{4}{9}$ |
| 15. $\frac{13}{21}$ | 16. $\frac{2}{3}$ |
| 17. $\frac{7}{12}$ | 18. $\frac{5}{12}$ |
| 19. $\frac{5}{12}$ of the students | |
| 20. $\frac{1}{10}$ cup | |

Practice C

- | | |
|--|---------------------|
| 1. $1\frac{31}{60}$ | 2. $\frac{13}{48}$ |
| 3. $1\frac{2}{15}$ | 4. $\frac{15}{28}$ |
| 5. $\frac{27}{34}$ | 6. $\frac{26}{45}$ |
| 7. $\frac{11}{24}$ | 8. $1\frac{1}{48}$ |
| 9. $\frac{11}{32}$ | 10. $\frac{35}{36}$ |
| 11. $\frac{1}{75}$ | 12. $\frac{37}{56}$ |
| 13. $1\frac{3}{70}$ | 14. $\frac{11}{60}$ |
| 15. $\frac{23}{80}$ | 16. $1\frac{7}{55}$ |
| 17. $\frac{6}{35}$ | 18. $1\frac{1}{3}$ |
| 19. $\frac{7}{33}$ of a mile | |
| 20. Trevor's frog; $\frac{4}{45}$ foot farther | |

Review for Mastery

- | | |
|-------------------|-------------------|
| 1. $\frac{3}{8}$ | 2. $\frac{1}{6}$ |
| 3. $\frac{5}{12}$ | 4. $\frac{9}{10}$ |