

LESSON
2

Fraction Operations

Practice A: Adding and Subtracting with Unlike Denominators

Write the least common denominator for each pair of fractions.

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

2. $\frac{1}{8}, \frac{2}{3}$

3. $\frac{1}{6}, \frac{1}{4}$

4. $\frac{1}{3}, \frac{1}{5}$

5. $\frac{1}{5}, \frac{3}{4}$

6. $\frac{1}{5}, \frac{7}{10}$

Add or subtract. Write each answer in simplest form.

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

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

9. $\frac{3}{4} - \frac{2}{3}$

10. $\frac{2}{5} - \frac{1}{10}$

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

12. $\frac{1}{5} + \frac{7}{10}$

13. $\frac{5}{8} - \frac{1}{4}$

14. $\frac{1}{5} + \frac{1}{4}$

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

16. $\frac{2}{7} - \frac{1}{14}$

17. $\frac{3}{5} + \frac{1}{15}$

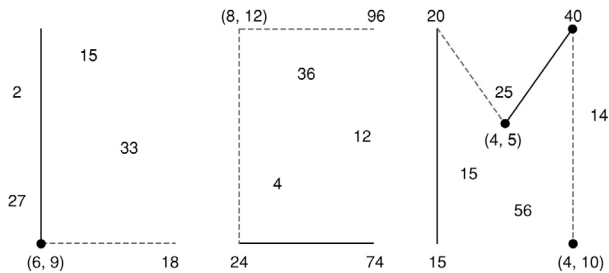
18. $\frac{5}{6} + \frac{1}{2}$

19. Tyler practices the piano $\frac{3}{4}$ hour every day. Today, however, he practiced for $\frac{1}{2}$ hour longer than usual. How long did Tyler practice the piano today?

20. One lap around the school's track is $\frac{1}{4}$ mile. Alice ran two times around the track. Then she ran $\frac{5}{6}$ mile home. How far did Alice run in all?

- 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

- 4
- 24
- 12
- 15
- 20
- 10
- $1\frac{1}{6}$
- $\frac{1}{4}$
- $\frac{1}{12}$
- $\frac{3}{10}$
- $\frac{1}{2}$
- $\frac{9}{10}$
- $\frac{3}{8}$
- $\frac{9}{20}$
- $\frac{1}{8}$
- $\frac{3}{14}$
- $\frac{2}{3}$
- $1\frac{1}{3}$
- $1\frac{1}{4}$ hours
- $1\frac{1}{3}$ miles

Practice B

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

- $\frac{1}{4}$
- $\frac{9}{55}$
- $1\frac{5}{18}$
- $1\frac{7}{24}$
- $\frac{23}{24}$
- $\frac{4}{9}$
- $\frac{13}{21}$
- $\frac{2}{3}$
- $\frac{7}{12}$
- $\frac{5}{12}$
- $\frac{5}{12}$ of the students
- $\frac{1}{10}$ cup

Practice C

- $1\frac{31}{60}$
- $\frac{13}{48}$
- $1\frac{2}{15}$
- $\frac{15}{28}$
- $\frac{27}{34}$
- $\frac{26}{45}$
- $\frac{11}{24}$
- $1\frac{1}{48}$
- $\frac{11}{32}$
- $\frac{35}{36}$
- $\frac{1}{75}$
- $\frac{37}{56}$
- $1\frac{3}{70}$
- $\frac{11}{60}$
- $\frac{23}{80}$
- $1\frac{7}{55}$
- $\frac{6}{35}$
- $1\frac{1}{3}$
- $\frac{7}{33}$ of a mile
- Trevor's frog; $\frac{4}{45}$ foot farther

Review for Mastery

- $\frac{3}{8}$
- $\frac{1}{6}$
- $\frac{5}{12}$
- $\frac{9}{10}$