

LESSON
5

Fraction Operations

Practice A: Multiplying Mixed Numbers

Multiply. Write each answer in simplest form.

1. $\frac{1}{2} \cdot 1\frac{1}{3}$

$\frac{1}{2} \cdot \frac{1}{3}$

2. $1\frac{1}{5} \cdot \frac{4}{5}$

$\frac{1}{5} \cdot \frac{4}{5}$

3. $1\frac{1}{4} \cdot \frac{2}{3}$

$\frac{1}{4} \cdot \frac{2}{3}$

4. $1\frac{1}{8} \cdot \frac{2}{5}$

$\frac{1}{8} \cdot \frac{2}{5}$

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

$\frac{2}{5} \cdot \frac{1}{2}$

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

$\frac{3}{5} \cdot \frac{1}{3}$

7. $\frac{2}{7} \cdot 1\frac{1}{4}$

8. $\frac{2}{3} \cdot 1\frac{1}{10}$

9. $\frac{1}{8} \cdot 1\frac{1}{2}$

Find each product. Write the answer in simplest form.

10. $\frac{4}{5} \cdot 1\frac{1}{6}$

11. $\frac{3}{5} \cdot 1\frac{1}{4}$

12. $1\frac{3}{4} \cdot \frac{1}{3}$

13. $2 \cdot 1\frac{1}{2}$

14. $4 \cdot 2\frac{1}{4}$

15. $5 \cdot 1\frac{1}{5}$

16. Lin Li makes two and a half dollars per hour baby-sitting her little brother. How much money will she make if she baby-sits for 5 hours?

17. Andrea is baking 2 batches of cookies. The recipe calls for $4\frac{1}{2}$ cups of flour for each batch. How many cups of flour will she use?

Puzzles, Twisters & Teasers

$R = \frac{9}{10}$; $O = \frac{11}{24}$; $C = 3\frac{13}{40}$; $I = \frac{1}{2}$;

$N = 4\frac{5}{18}$; $A = 3\frac{26}{35}$; $K = 1\frac{1}{6}$; $G = 1\frac{31}{105}$

C R O A K I N G

Answers for Lesson 5

Practice A

- | | |
|----------------------------------------|-----------------------|
| 1. $4; \frac{2}{3}$ | 2. $6; \frac{24}{25}$ |
| 3. $5; \frac{5}{6}$ | 4. $9; \frac{9}{20}$ |
| 5. $3; \frac{3}{5}$ | 6. $8; \frac{8}{15}$ |
| 7. $\frac{5}{14}$ | 8. $\frac{11}{15}$ |
| 9. $\frac{3}{16}$ | 10. $\frac{14}{15}$ |
| 11. $\frac{3}{4}$ | 12. $\frac{7}{12}$ |
| 13. 3 | 14. 9 |
| 15. 6 | |
| 16. $12\frac{1}{2}$ dollars or \$12.50 | |
| 17. 9 cups | |

Practice B

- | | |
|----------------------|---------------------|
| 1. $1\frac{1}{3}$ | 2. $1\frac{1}{2}$ |
| 3. $\frac{11}{20}$ | 4. $1\frac{4}{9}$ |
| 5. $\frac{9}{10}$ | 6. $1\frac{11}{24}$ |
| 7. $\frac{7}{10}$ | 8. $\frac{10}{21}$ |
| 9. $1\frac{13}{22}$ | 10. $1\frac{1}{14}$ |
| 11. 1 | 12. $\frac{11}{27}$ |
| 13. $1\frac{11}{15}$ | 14. $6\frac{1}{4}$ |

15. $5\frac{5}{6}$ 16. $\frac{7}{8}$ mile
17. 30 donuts

Practice C

- | | |
|---------------------------------------|----------------------------|
| 1. $1\frac{17}{63}$ | 2. $1\frac{9}{14}$ |
| 3. $2\frac{5}{36}$ | 4. $2\frac{1}{5}$ |
| 5. $1\frac{5}{8}$ | 6. $1\frac{11}{12}$ |
| 7. $1\frac{1}{8}$ | 8. $\frac{69}{70}$ |
| 9. $4\frac{4}{27}$ | 10. $6\frac{18}{77}$ |
| 11. $3\frac{3}{35}$ | 12. $6\frac{27}{80}$ |
| 13. $235\frac{3}{5}$ | 14. $3\frac{47}{75}$ |
| 15. $4\frac{13}{18}$ | 16. $3\frac{3}{5}$ |
| 17. $3\frac{7}{15}$ | 18. $\frac{23}{27}$ |
| 19. $2\frac{5}{32}$ | 20. $275\frac{3}{4}$ miles |
| 21. $9\frac{3}{4}$ cubic feet of sand | |

Review for Mastery

- | | |
|--------------------------------|--------------------------------|
| 1. $\frac{4}{3}; \frac{1}{3}$ | 2. $\frac{5}{2}; \frac{5}{12}$ |
| 3. $\frac{3}{2}; \frac{3}{16}$ | 4. $\frac{7}{5}; \frac{7}{15}$ |
| 5. 4; 5 | 6. 3; 4 |
| $2\frac{2}{9}$ | 2 |
| 7. 7; 5 | 8. 7; 8 |
| $4\frac{3}{8}$ | $3\frac{1}{9}$ |
| 9. $1\frac{1}{3}$ | 10. $\frac{1}{2}$ |
| 11. $4\frac{3}{8}$ | 12. 4 |