

LESSON

5-8

Practice C**Multiplying Mixed Numbers****Multiply. Write each answer in simplest form.**

1. $\frac{5}{9} \cdot 2\frac{2}{7}$

2. $1\frac{11}{12} \cdot \frac{6}{7}$

3. $2\frac{4}{9} \cdot \frac{7}{8}$

4. $3\frac{2}{3} \cdot \frac{3}{5}$

5. $\frac{13}{14} \cdot 1\frac{3}{4}$

6. $2\frac{3}{10} \cdot \frac{5}{6}$

7. $1\frac{7}{8} \cdot \frac{3}{5}$

8. $3\frac{2}{7} \cdot \frac{3}{10}$

9. $4\frac{2}{3} \cdot \frac{8}{9}$

Find each product. Write the answer in simplest form.

10. $\frac{10}{11} \cdot 3\frac{3}{7} \cdot 2$

11. $2\frac{4}{7} \cdot \frac{4}{5} \cdot 1\frac{1}{2}$

12. $\frac{9}{12} \cdot 2\frac{3}{5} \cdot 3\frac{1}{4}$

13. $6\frac{1}{5} \cdot 10 \cdot 3\frac{4}{5}$

14. $1\frac{7}{9} \cdot \frac{2}{5} \cdot 5\frac{1}{10}$

15. $2\frac{6}{7} \cdot 1\frac{8}{9} \cdot \frac{7}{8}$

Evaluate each expression.

16. $\frac{3}{4} \cdot c$ for $c = 4\frac{4}{5}$

17. $1\frac{3}{10} \cdot x$ for $x = 2\frac{2}{3}$

18. $\frac{2}{9} \cdot h$ for $h = 3\frac{5}{6}$

19. $\frac{3}{4} \cdot q$ for $q = 2\frac{7}{8}$

20. A train travels at $110\frac{3}{10}$ miles per hour. At this rate, how far will the train travel in $2\frac{1}{2}$ hours?
_____21. A sandbox is $1\frac{1}{3}$ feet tall, $1\frac{5}{8}$ feet wide, and $4\frac{1}{2}$ feet long. How many cubic feet of sand is needed to fill the box?
(Volume = length • width • height)
