

Name _____ Core _____ Date _____

2.1–2.3 Quiz

Check It Out
Progress Check
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Multiply. Write the answer in simplest form. (Section 2.1)

1. $\frac{3}{7} \times \frac{1}{4}$ _____

2. $\frac{9}{10} \times \frac{2}{3}$ _____

3. $1\frac{1}{6} \times \frac{2}{5}$ _____

4. $3\frac{1}{2} \times 5\frac{7}{10}$ _____

Divide. Write the answer in simplest form. (Section 2.2 and Section 2.3)

5. $\frac{1}{9} \div \frac{1}{3}$ _____

6. $7 \div \frac{5}{8}$ _____

7. $4\frac{7}{8} \div \frac{1}{8}$ _____

8. $7\frac{2}{3} \div 1\frac{1}{9}$ _____

Evaluate the expression. Write the answer in simplest form. (Section 2.2 and Section 2.3)

9. $6 \div \frac{2}{3} + \frac{1}{2}$ _____

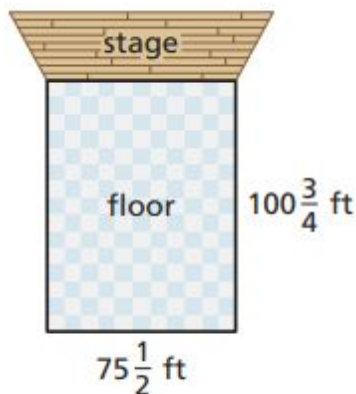
10. $\frac{7}{12} \div \frac{1}{4} \times \frac{9}{14}$ _____

11. $3\frac{1}{3} \times 3\frac{3}{4} \div \frac{5}{6}$ _____

12. $6\frac{2}{9} \div \left(4 \times 1\frac{1}{6}\right)$ _____

13. **MALL** In a mall, $\frac{1}{15}$ of the stores sell shoes. There are 180 stores in the mall.
How many of the stores sell shoes? (Section 2.1)

14. **CONCERT FLOOR** The floor of a concert venue is $100\frac{3}{4}$ feet by $75\frac{1}{2}$ feet. What is the area of the floor? (*Section 2.1*)



15. **BAND** Band members make $\frac{2}{3}$ of their profit from selling concert tickets. They make $\frac{1}{5}$ of their profit from selling band merchandise at the concerts. How many times more profit do they make from ticket sales than from merchandise sales? (*Section 2.2*)

16. **SKATEBOARDS** You are cutting as many $32\frac{1}{4}$ -inch sections as you can out of the board to make skateboards. How many skateboards can you make? (*Section 2.3*)

