

# 3.1–3.3 Quiz

Estimate by rounding each factor to the nearest whole number.

(Section 3.1)

1.  $3.8 \times 4.9$

2.  $15.2 \div 2.6$

Use compatible numbers to estimate the product or quotient. (Section 3.1)

3.  $14.9 \times 3.02$

4.  $48.24 \div 5.76$

Multiply. Use estimation to check your answer. (Section 3.2)

5. 
$$\begin{array}{r} 7.6 \\ \times 5 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 0.62 \\ \times 17 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 9.54 \\ \times 8 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 0.074 \\ \times 9 \\ \hline \end{array}$$

Multiply. Use estimation to check your answer. (Section 3.3)

9. 
$$\begin{array}{r} 0.5 \\ \times 0.1 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 0.004 \\ \times 0.06 \\ \hline \end{array}$$

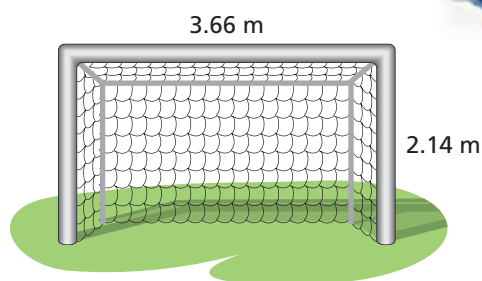
11. 
$$\begin{array}{r} 0.54 \\ \times 0.9 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 4.16 \\ \times 0.7 \\ \hline \end{array}$$

13. **PIZZA** A school budgets \$125.50 to buy pizza for a dance. Each pizza costs \$11.29. Estimate how many pizzas the school can buy. Is your estimate *too little* or *too much*? (Section 3.1)

14. **LEMONADE** A two-liter bottle contains 2.1 quarts of lemonade. You buy four bottles. How many quarts do you have? (Section 3.2)

15. **WHITewater RAFTING** A whitewater rafting trip costs \$41.80 per person. A family of eight goes on a rafting trip. What is the total cost of the trip? (Section 3.2)



16. **GEOMETRY** Find the area of the mouth of the field hockey goal. (Section 3.3)