TEST PREP

9

Multiplying and Dividing Decimals

25

Suggested Time: 30 min
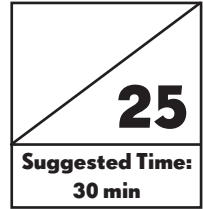
Multiple Choice   (5 × 2 points = 10 points)

Fill in the circle next to the correct answer.

1.   Multiply 2.68 by 8.

   (A) 2.144   (B) 21.44   (C) 214.4   (D) 2,144

2.   What number belongs in the box?

   $7.31 \times \boxed{} = 2{,}193$

   (A) 3   (B) 30   (C) 300   (D) 3,000

3.   Divide 72.38 by 70.

   (A) 1.034   (B) 1.304   (C) 10.34   (D) 103.4

4.   A stack of 4 identical books is 6.28 inches high. What is the height of 30 of these books?

   (A) 1.57 inches   (B) 4.7 inches

   (C) 15.7 inches   (D) 47.1 inches

5.   Alice ran 5 laps around a track. She ran a total distance of 3.65 kilometers. Jim ran 20 laps around the same track. What is the total distance Jim ran?

   (A) 0.73 km   (B) 1.46 km   (C) 14.6 km   (D) 146 km

Short Answer (5 × 2 points = 10 points)

Find the missing number for each box.

6.   **a.** $32.91 \times \boxed{} = 32{,}910$

   b. $11{,}845 \div 500 = 2{,}369 \div \boxed{}$

Multiply.

7.

$$
\begin{array}{r}
6 \ . \ 8 \quad 4 \\
\times \qquad\qquad 7 \\
\hline
\boxed{}\ \boxed{}\ \boxed{}\ \boxed{}
\end{array}
$$

Estimate each sum or difference by rounding to the nearest whole number.

8.   **a.** $23.63 + 15.3$

   b. $17.85 - 9.49$

Solve.

9. A piece of rope is 5 meters long. It is cut into 8 equal pieces. How long is each piece? Round your answer to the nearest hundredth.

10. A bag of flour weighs 15 pounds. A shopkeeper has one bag of flour. She sells 1.065 pounds of flour every day. How much flour is left after 8 days?

Extended Response   (Question 11: 2 points, Question 12: 3 points)

Solve. Show your work.

11. Jai bought 2 pounds of grapes for $2.49 per pound and 3 muffins for $0.75 per muffin. How much did he pay for the grapes and muffins?

12. Mr. Romero buys 3 chairs at a cost of $27.90 for each chair. Estimate the least number of $20 bills he needs to buy the chairs.