

UNIT  
1**Rational Numbers****Unit Test: A**

- The temperature at noon was  $-3^{\circ}\text{C}$ . By 10 P.M. on the same day the temperature decreased by  $5.4^{\circ}$ . What was the temperature at 10 P.M.?  
A  $-8.4^{\circ}\text{C}$                       C  $-2.4^{\circ}\text{C}$   
B  $-5.4^{\circ}\text{C}$                       D  $1.6^{\circ}\text{C}$
- Derek spends \$3 on breakfast and \$5.50 on lunch every school day. How much does he spend on breakfast and lunch in a school week?  
A \$38.50                      C \$49.90  
B \$42.50                      D \$59.50
- What is the value of  $(-4.5)(-8.25)$ ?  
A  $-37.125$                       C  $3.75$   
B  $-12.75$                       D  $37.125$
- An artist is cutting pieces of ribbon to use in a project. Each piece he cuts measures  $\frac{7}{8}$  inch. The artist cuts off 5 pieces. How many total inches of ribbon has he cut off?  
A  $4\frac{1}{8}$                       C  $5\frac{5}{7}$   
B  $4\frac{3}{8}$                       D  $5\frac{7}{8}$
- An airplane took off and reached an altitude of 10,000 feet in 25 minutes. How many feet per minute, on average, did the airplane climb?  
A 400                      C 600  
B 500                      D 2,500
- The number of students enrolled at Hill School decreased by 120 students over an 8-year period. What was the average decrease in student enrollment per year?  
A 8                      C 15  
B 12                      D 20
- Alexis sold boxes of homemade granola bars for \$8.50 each. It costs her \$2.25 to bake and package each box of granola bars. What was her profit from selling each box of granola bars?  
A  $-\$6.25$                       C \$6.25  
B \$5.38                      D \$10.75
- Alexandra's backpack weighs  $7\frac{5}{8}$  pounds. What is the weight of her backpack expressed as a decimal?  
A 7.13                      C 7.625  
B 7.58                      D 7.85
- Which number below is in the set of integers but is **not** in the set of whole numbers?  
A  $-2$                       C  $5\frac{1}{2}$   
B 0                      D 100
- Which of the following fractions is equivalent to a repeating decimal?  
A  $\frac{1}{5}$                       C  $\frac{2}{3}$   
B  $\frac{5}{8}$                       D  $\frac{3}{4}$

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