

Accelerated Math7 Chapter 3 Practice Test – Rational Numbers

1. Which decimal is equivalent to $-\frac{5}{9}$? A. -0.555 B. $-0.\overline{555}$ C. 0.595 D. $0.\overline{5959}$	
2. What simplest term fraction is equivalent to the decimal -0.38 ?	
3. What symbol can be substituted for \bullet to make the following statement true? $-0.\overline{7} \bullet -\frac{4}{7}$	
4. A toll-free sales line sold 85 products for every 125 calls in one day. What is the daily success rate of the sales line as a percentage?	
5. What is the fraction equivalent of $4\frac{5}{8}$?	
6. In a survey, 0.82 of students stated they homework every day. What is this value written as a fraction?	
7. What is the value of $\frac{2}{3}rs$ if $r = -\frac{6}{7}$ and $s = -\frac{3}{10}$?	
8. What is the quotient of $\frac{7a}{9bc} \div \frac{21a}{12b}$?	

<p>9. What is the value of $-x - y$ if $x = -\frac{1}{5}$ and $y = \frac{7}{15}$?</p>	
<p>10. Usually Cassandra tap dances for $1\frac{7}{8}$ hours a day. Today she danced for half again as long. For how long did she tap dance today?</p>	
<p>11. Four pieces of wood, each $14\frac{5}{6}$ inches long, are required for building a frame. If all four pieces are cut from one board, how long should the board be, to the nearest whole foot?</p>	
<p>12. What is the sum of a fraction and its additive inverse? Justify your answer with an example.</p>	
<p>13. Juliana bought a container of licorice. She gave $\frac{2}{5}$ of the licorice to her friend, $\frac{2}{10}$ to her sister, and she kept the rest for herself. What fraction of the licorice did she keep for herself?</p>	
<p>14. What is the sum of $-3\frac{5}{6} + 7\frac{2}{3}$?</p>	
<p>15. In a school survey, Randy found that $\frac{5}{12}$ of the students normally wear sneakers, and that $\frac{8}{25}$ of those who wear sneakers normally wear white sneakers. What fraction of the student body normally wears white sneakers?</p>	