5.3 Practice B

Write a rate that represents the situation.

1. Feet
   - 0 20 40 60 80 100
   - 0 6 12 18 24 30

2. Apples
   - 0 50 100 150 200 250
   - 0 11 22 33 44 55

Write a unit rate for the situation.

3. 6 kittens in 3 boxes
4. $96 for 16 hours of work
5. 72 biscuits from 9 batches
6. 1800 revolutions in 50 seconds

Decide whether the rates are equivalent.

7. 35 kilometer in 25 minutes,
   14 kilometers in 10 minutes
8. 25 minutes for $3,
   1 hour for $6
9. An aquarium is leaking water at a rate of three quarts per day. How many fluid ounces of water is this each hour?
10. A glacier flows at a rate of 20 meters per day. What is the flow rate in kilometers per year?
11. A teacher keeps track of how many books are read by students in each class. Which grade has read a higher rate of books per student? How many more books does the other grade need to read to have the same rate?

<table>
<thead>
<tr>
<th></th>
<th>Grade 6</th>
<th>Grade 7</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Class A</td>
<td>Class B</td>
</tr>
<tr>
<td>Students</td>
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<td>31</td>
</tr>
<tr>
<td>Books Read</td>
<td>181</td>
<td>155</td>
</tr>
</tbody>
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12. Charles Lindbergh made the first solo airplane flight from New York to Paris. His flight covered about 3610 miles in 33.5 hours.

   a. Find the unit rate in miles per hour.

   b. Find the unit rate in hours per mile.

   c. Which is a better description of Lindbergh’s rate, about two miles per minute or about two minutes per mile? Explain your reasoning.