Starter

a) The explorers have been training for 30 months.

<table>
<thead>
<tr>
<th>30 months</th>
<th>1 year</th>
<th>1 year</th>
<th>1/2 year</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 months</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 months</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 months</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12 months = 1 year
6 months = 1/2 a year
30 months = 12 months + 12 months + 6 months

The explorers have been training for 2 1/2 years.

b) I converted the weeks into days to help compare them.

<table>
<thead>
<tr>
<th>3 weeks</th>
<th>1 week</th>
<th>1 week</th>
<th>1 week</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 days</td>
<td>7 days</td>
<td>7 days</td>
<td>7 days</td>
</tr>
</tbody>
</table>

3 x 7 = 21

Toshi has enough socks for 21 days.

It takes 20 days to get to the North Pole. 21 days > 20 days.

Toshi does have enough socks to make it to the North Pole!

ANSWERS

Question 1: (3 x 60) + 14 = 180 + 14 = 194 seconds
194 seconds < 203 seconds
3 minutes 14 seconds is a quicker time than 203 seconds.

Jen is quicker than Toshi.

Question 2 a): Tin A = Use by 4 weeks 2 days
Tin B = Use by 4 weeks

Tin B needs to be used first.

Question 2 b): Tin A = Use by 30 days, B = Use by 28 days

Tin B needs to be used first.

Question 3: Answers will vary but should involve converting one of the given measurements so that the unit of time is the same.

Question 3 a): 3 hours and 45 minutes is 225 minutes, so it is longer than 200 minutes.

Question 3 b): 4 1/2 years is 54 months, so it is longer than 50 months.