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Use an open number line to model and solve problems 1, 2, and 3.

1  Anna started a race at 9:30 am. She ran for 3 hours and 47 minutes. What time did she finish her race?

2  Michael and Tyler both ran a half marathon. Tyler finished in 1 hour 42 minutes and 13 seconds. Tyler finished in 97 minutes and 49 seconds.
   a  Who was faster?
   b  How much faster was he?

3  Takumi ran the first mile of his race in 450 seconds. How many minutes was his first mile?

4  Johanna used tiles to build a rectangular array with an area of 54. List all the possible dimensions of the array.

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5 What is 329,456 rounded to the nearest ten? 

nearest hundred? 

nearest thousand? 

6 Fill in the bubble to show which number listed below is closer to 445,890:
   O 450,000
   O 440,000

7 If you wanted to round 373,417 to the nearest ten thousand, which number below would you choose?
   O 380,000
   O 370,000

8 CHALLENGE Linda plans to sign up for three Field Day events. She wants to run a total of more than a kilometer but less than 1.5 kilometers. Which three events should she sign up for? Her choices are:

<table>
<thead>
<tr>
<th>Dash</th>
<th>Hurdles</th>
<th>Run</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 meter dash</td>
<td>200 meter hurdles</td>
<td>800 meter run</td>
</tr>
<tr>
<td>200 meter dash</td>
<td>300 meter hurdles</td>
<td>1600 meter run</td>
</tr>
<tr>
<td>400 meter dash</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>