1. Kenny is organising a Duke of Edinburgh expedition. He knows the ratio of adults to youths should be 1:6.
   There are currently 25 youths.
   How many adults does Kenny need?

2. Jake is preparing for his work experience. He is looking at his travel costs for five days.
   A return ticket cost £22 per day. There is a discount of 15% if he buys a five-day ticket.
   How much money would he save with this discount?

3. Sarah is training for the firefighters’ bleep test. These are the distances in metres she ran in her first five attempts.
<table>
<thead>
<tr>
<th>Distances (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1289</td>
</tr>
<tr>
<td>1330</td>
</tr>
<tr>
<td>1195</td>
</tr>
<tr>
<td>1444</td>
</tr>
<tr>
<td>1600</td>
</tr>
</tbody>
</table>

   What is the mean distance she ran?

4. Beena has an exercise routine every week to improve her fitness.
   Running – 1 hour 20 minutes
   Cycling – 1¾ hours
   Weights – 45 minutes
   How long will these activities last in total?

5. Max is orienteering. They have a map for part of the route.
   What is the bearing of this route?

6. Lottie is buying equipment for a camping trip. She has all the prices on a bar chart.
   Using the bar chart, how much does she spend in total?

7. Pinh and Erdinch are working out how much time they have available for a volunteering activity.
   Pinh can commit for a number of hours per day for a number of days.
   Erdinch can commit for a number of hours per week for a number of weeks.
   How can they work out how much time they will commit?

8. Ali wants to improve his fitness. He runs laps around a football pitch (see below).
   How many laps will he need to run to run a total of 10km?

9. Use a reverse calculation to check your answer to question 3.

Total Marks: ________ / 9