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TAM’S TAXI

CHALLENGE
Tam drives a taxi in Glasgow and will collect people going to watch each of the Scottish-based events. He collects people from the city centre and then returns there waiting for the next customer. He takes one trip to each event on each day.

Fill in the kilometres Tam will have travelled each day and what the totals would read.

EXTRA CHALLENGE
Tam’s taxi can travel an average of 300km on a full tank of fuel. Tam likes to be well prepared and fills up the tank at night if he has travelled more than half of this distance.

If Tam fills the taxi up on Wednesday 1 August, what other nights should he refill his fuel tank?

Use the map guide below and the competition schedule on the next page to get the information you will need.

<table>
<thead>
<tr>
<th>Event</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diving</td>
<td>72km</td>
</tr>
<tr>
<td>Open Water Swimming</td>
<td>33km</td>
</tr>
<tr>
<td>Swimming</td>
<td>13km</td>
</tr>
<tr>
<td>Swimming</td>
<td>4km</td>
</tr>
<tr>
<td>Golf</td>
<td>72.5km</td>
</tr>
<tr>
<td>Synchronised Swimming</td>
<td>7km</td>
</tr>
<tr>
<td>Mountain Bike</td>
<td>11km</td>
</tr>
<tr>
<td>Cycling Track</td>
<td></td>
</tr>
<tr>
<td>Swimming</td>
<td>5.5km</td>
</tr>
<tr>
<td>Golf</td>
<td></td>
</tr>
<tr>
<td>Synchronised Swimming</td>
<td>7km</td>
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<td>Cycling Track</td>
<td>4km</td>
</tr>
</tbody>
</table>

Distance from Glasgow City Centre in red

MAP GUIDE

Glasgow City Centre

Diving
Royal Commonwealth Pool 72km

Open Water Swimming
Loch Lomond & The Trossachs Country Park 33km

Rowing
Strathclyde Country Park 21km

Cycling BMX
Knightswood Park 13km

Swimming
Tollcross International Swimming Centre 5.5km

Cycling Track
Sir Chris Hoy Velodrome Emirates Arena 4km

Gymnastics
The SSE Hydro 4.5km

Synchronised Swimming
Scotstoun Sports Campus 7km

Mountain Bike
Cathkin Braes Mountain Bike Trail 11km

Golf
Gleneagles Golf Course 72.5km

Triathlon
Strathclyde Country Park 21km

Athlete number:
Date of Birth:
Height:
Sport:

Oleg Vernyayev
Date of Birth: 30/11/1987
Height: 1.93m
Sport: Rowing
Title to defend:

Logan
Date of Birth: 30/11/1990
Height: 1.64m
Sport: Gymnastics
Title to defend:

Jessica Learmonth
Date of Birth: 2/03/1994
Height: 1.70m
Sport: Triathlon
Title to defend:

Ranomi Kromowidjojo
Date of Birth: 20/08/1990
Height: 1.83m
Sport: Swimming
Title to defend:

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Date of Birth: 20/08/1990
Height: 1.83m
Sport: Swimming
Title to defend:

One
Athlete number:
Date of Birth:
Height:
Sport:
Titles to defend:

Three
Athlete number:
Date of Birth:
Height:
Sport:
Titles to defend:

Two
Athlete number:
Date of Birth:
Height:
Sport:
Titles to defend:

Athlete number:
Date of Birth:
Height:
Sport:

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WHO’S SUPPORTING WHO?

Can you work out which athlete the three children are supporting?

Logan is supporting a sportsperson who:

- wears an athlete number that is the same forwards and backwards
- shares a birthday with another reigning champion
- is defending one title

Daisy says the athlete she’s supporting is competing in the

- women’s competition that is even
- water in her event

Heather goes from Monday 6 August for three days.

She can only attend on Friday 10 August, while

...are visiting the Championships...

...company covering the

- competition
- interview the competitors.

What is the smallest number of one television camera

...on each day. Is it possible for her to

...each

...per day. Is it possible for her to

...on each day.

...for the entire Championships?

Can you create some extra questions to puzzle yourself, your friends or family using the Competition Schedule below?

Can you work out which athlete the three children are supporting?
**SCHEDULE ASSISTANT**

**CHALLENGE**

Ewan, Sophie and Heather are visiting the Championships in Scotland and attend each competition that is on while they are there. Ewan goes for the first four days. Sophie can only attend on Friday 10 and Saturday 11 August, while Heather goes from Monday 6 August for three days.

Rebecca plans to see two events per day. Is it possible for her to see each competition if she stays for the entire Championships?

Morven works for a television company covering the Championships in Scotland and has to make sure there is one television camera at each competition on each day to interview the competitors.

Who can attend the highest number of different competitions?

Work out the best schedule for Rebecca.

What is the smallest number of cameras Morven will need to cover all the competitions if they can be moved overnight?

Can you create some extra questions to puzzle yourself, your friends or family using the Competition Schedule below?

<table>
<thead>
<tr>
<th>COMPETITION SCHEDULE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thursday, 2 August</strong></td>
</tr>
<tr>
<td><strong>Friday, 3 August</strong></td>
</tr>
<tr>
<td><strong>Saturday, 4 August</strong></td>
</tr>
<tr>
<td><strong>Sunday, 5 August</strong></td>
</tr>
<tr>
<td><strong>Monday, 6 August</strong></td>
</tr>
<tr>
<td><strong>Tuesday, 7 August</strong></td>
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<tr>
<td><strong>Wednesday, 8 August</strong></td>
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<tr>
<td><strong>Thursday, 9 August</strong></td>
</tr>
<tr>
<td><strong>Friday, 10 August</strong></td>
</tr>
<tr>
<td><strong>Saturday, 11 August</strong></td>
</tr>
<tr>
<td><strong>Sunday, 12 August</strong></td>
</tr>
</tbody>
</table>

- European Swimming Championships
- European Diving Championships
- European Synchronised Swimming Championships
- European Open Water Swimming Championships
- European Rowing Championships
- Triathlon European Championships
- Cycling Track European Championships
- Cycling Mountain Bike European Championships
- Cycling BMX European Championships
- European Golf Team Championships
- European Women’s Artistic Gymnastics Championships
- European Men’s Artistic Gymnastics Championships

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<table>
<thead>
<tr>
<th>Event</th>
<th>Gold</th>
<th>Silver</th>
<th>Bronze</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Athlete's name</th>
<th>Event 1</th>
<th>Event 2</th>
<th>Event 3</th>
<th>Total points</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

...and the winner is:
**WHO’S SUPPORTING WHO?**

<table>
<thead>
<tr>
<th>Athlete</th>
<th>Country</th>
<th>Sport</th>
<th>Height</th>
<th>Date of Birth</th>
<th>Titles to defend</th>
<th>Athlete number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranomi Kromowidjojo</td>
<td>Netherlands</td>
<td>Swimming</td>
<td>1.80m</td>
<td>20/08/1990</td>
<td>Three</td>
<td>314</td>
</tr>
<tr>
<td>Katie Archibald</td>
<td>Great Britain</td>
<td>Cycling</td>
<td>1.78m</td>
<td>12/03/1994</td>
<td>One</td>
<td>707</td>
</tr>
<tr>
<td>Joris Daudet</td>
<td>France</td>
<td>BMX</td>
<td>1.83m</td>
<td>12/02/1991</td>
<td>One</td>
<td>442</td>
</tr>
<tr>
<td>Ross Murdoch</td>
<td>Great Britain</td>
<td>Swimming</td>
<td>1.83m</td>
<td>14/01/1994</td>
<td>Two</td>
<td>888</td>
</tr>
<tr>
<td>Eleftherios Petrounias</td>
<td>Greece</td>
<td>Gymnastics</td>
<td>1.64m</td>
<td>30/11/1990</td>
<td>One</td>
<td>420</td>
</tr>
<tr>
<td>Jessica Learmonth</td>
<td>Great Britain</td>
<td>Triathlon</td>
<td>1.68m</td>
<td>18/04/1988</td>
<td>One</td>
<td>144</td>
</tr>
<tr>
<td>Victoria Thornly</td>
<td>Great Britain</td>
<td>Rowing</td>
<td>1.93m</td>
<td>30/11/1987</td>
<td>One</td>
<td>840</td>
</tr>
<tr>
<td>Oleg Vernyayev</td>
<td>Ukraine</td>
<td>Gymnastics</td>
<td>1.60m</td>
<td>29/09/1993</td>
<td>One</td>
<td>941</td>
</tr>
</tbody>
</table>

- **Logan is supporting a sportsperson who:**
  - has an athlete number that is even
  - is competing in the women’s competition
  - will have to travel through water in her event
  - is in her 20s

- **Heidi’s favourite athlete:**
  - is defending one title
  - shares a birthday with another reigning champion
  - wears an athlete number that can be divided by 1, 2, 3, 4, 5, 6, 7 and 8

- **Daisy says the athlete she’s excited about watching:**
  - will be 24 years of age at the tournament
  - is performing in their home country
  - would be 1m 80cm tall if their height was rounded to the nearest 10cm
  - has an athlete number that is the same forwards and backwards

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