**Whodunnit?**

**Name:**

Six contestants on a reality TV show were stunned to find their lowest scoring colleague was “injured.” They must figure out the crime before the bell rings. The question is *Whodunnit?* And how... The Player, Last Known Whereabouts and Method that are left unaccounted for -- is the solution.

<table>
<thead>
<tr>
<th>1.</th>
<th>2.</th>
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<tbody>
<tr>
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<th>3.</th>
<th>4.</th>
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<table>
<thead>
<tr>
<th>5.</th>
<th>6.</th>
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<tbody>
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</table>
Who is the "Criminal"?
(The three boxes left unchecked will reveal the crime. If you cannot figure it out, you may be next.)

<table>
<thead>
<tr>
<th>The Players</th>
<th>The Last Known Whereabouts</th>
<th>The Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Alpha</td>
<td>Atrium</td>
<td>Chemical Poisoning</td>
</tr>
<tr>
<td>Miss Beta</td>
<td>Gym</td>
<td>Cougar Attack</td>
</tr>
<tr>
<td>Mrs. Gamma</td>
<td>Kitchen</td>
<td>Electrocution</td>
</tr>
<tr>
<td>Professor Delta</td>
<td>Library</td>
<td>Fallen Object</td>
</tr>
<tr>
<td>Mr. Epsilon</td>
<td>Movie Theater</td>
<td>Stubbed Toe</td>
</tr>
<tr>
<td>Coach Omega</td>
<td>Pool</td>
<td>Venomous Bite</td>
</tr>
</tbody>
</table>

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Clue #1

\[
\frac{1}{8} + \frac{1}{4} =
\]

\frac{3}{8} \\
\frac{5}{8} \\
\frac{1}{12} \\
\frac{2}{12}

The injury was not a stubbed toe.

Professor Delta was watching *Jungle Book* in the movie theater.

Mr. Epsilon was reading detective stories in the library.

The injury was not done by chemical poisoning.

Clue #2

\[
\frac{8}{15} - \frac{2}{5} =
\]

\frac{1}{5} \\
\frac{2}{5} \\
\frac{1}{15} \\
\frac{2}{15}

Dr. Alpha was working on his free throws in the gym.

The victim was not hit by a fallen object.

Coach Omega was watching *Toy Story* in the movie theater.

The injury was not an attack by a cougar.
Clue #3

\[
\frac{9}{14} - \frac{1}{7} = \frac{1}{14}
\]

\begin{align*}
\frac{1}{7} & : \text{Miss Beta was fixing her iPad in the library.} \\
\frac{1}{14} & : \text{The victim was not attacked by a cougar.} \\
\frac{1}{2} & : \text{Professor Delta was sunbathing by the pool.} \\
\frac{8}{14} & : \text{The victim was not electrocuted.}
\end{align*}

Clue #4

\[
\frac{5}{12} - \frac{1}{4} = \frac{1}{4}
\]

\begin{align*}
\frac{1}{6} & : \text{Coach Omega is cleaning up popcorn in the movie theatre.} \\
\frac{4}{8} & : \text{The victim did not injure their toe.} \\
\frac{1}{2} & : \text{Mr. Epsilon was taking a nap in the atrium.} \\
\frac{1}{3} & : \text{The injury was not done by chemical poisoning.}
\end{align*}
Clue #5

\[ 2\frac{1}{6} + 3\frac{2}{3} - 1\frac{1}{4} = \]

<table>
<thead>
<tr>
<th>Fraction</th>
<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>(\frac{7}{12})</td>
<td>Mrs. Gamma was practicing freestyle in the pool.</td>
</tr>
<tr>
<td>(\frac{5}{6})</td>
<td>The injury was not done by chemical poisoning.</td>
</tr>
<tr>
<td>(\frac{2}{5})</td>
<td>The victim was not electrocuted.</td>
</tr>
<tr>
<td>(\frac{7}{12})</td>
<td>Miss Beta was shelving books in the library.</td>
</tr>
</tbody>
</table>

Clue #6

\[ \frac{4}{5} - \frac{4}{15} + \frac{3}{10} = \]

<table>
<thead>
<tr>
<th>Fraction</th>
<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>(\frac{13}{30})</td>
<td>Dr. Alpha was sunbathing by the pool.</td>
</tr>
<tr>
<td>(\frac{8}{15})</td>
<td>The victim did not have a venomous bite.</td>
</tr>
<tr>
<td>(\frac{13}{30})</td>
<td>Mrs. Gamma was lounging around the atrium.</td>
</tr>
<tr>
<td>(\frac{19}{30})</td>
<td>The injury was not a result of a fallen object.</td>
</tr>
</tbody>
</table>
Clue #7

$2 - \frac{5}{8} + \frac{1}{2} =

\begin{array}{|c|}
\hline
\frac{1}{8} & \text{The victim was not mauled by a cougar.} \\
\frac{7}{8} & \text{The victim did not have a venomous bite.} \\
\frac{5}{8} & \text{Mr. Epsilon was watching } \textit{Star Wars} \text{ in the theater.} \\
\frac{7}{8} & \text{Professor Delta was making salad in the kitchen.} \\
\hline
\end{array}

Clue #8

$5 - 2\frac{1}{2} - \frac{5}{6} =

\begin{array}{|c|}
\hline
\frac{5}{6} & \text{The injury was not a stubbed toe.} \\
\frac{2}{3} & \text{A fallen object was not the cause of injury.} \\
\frac{1}{3} & \text{Dr. Alpha was in the library reading } \textit{War and Peace}. \\
\frac{1}{6} & \text{Miss Beta was practicing her backstroke in the pool.} \\
\hline
\end{array}
Clue #9

Sam rode his bike for $\frac{3}{5}$ miles and he ran another $1 \frac{1}{2}$ miles. How far did he travel?

- $2 \frac{1}{10}$: The injury did not involve chemical poisoning.
- $1 \frac{1}{10}$: Mr. Epsilon was listening to music in the library.
- $\frac{9}{10}$: Dr. Alpha was swimming in the pool.
- $\frac{9}{10}$: The injury was not done by electrocution.

Clue #10

The length and width of a rectangle are $\frac{1}{6}$ inches and $\frac{3}{8}$ inches. What is the perimeter (in inches) of the rectangle?

- $1 \frac{1}{12}$: Mr. Epsilon was cooking pizza in the kitchen.
- $\frac{5}{12}$: The injury did not involve chemical poisoning.
- $\frac{7}{12}$: Dr. Alpha was exercising in the gym.
- $\frac{11}{12}$: The injury was not an electrocution.