IV Calc Tip Sheet
To find gtts/min rate of administration you need to know:
- Rate of infusion in mL/hour
- Drop factor of the IV tubing

\[
\text{Infusion in mL/hour} = \frac{\text{Total volume in mL}}{\text{Total time in hrs}}
\]

\[
\text{Gtts/min} = \frac{\text{Volume (mL)} \times \text{Drop factor (gtt/mL)}}{\text{Time (min)}} = \frac{\text{Rate (gtts/min)}}{\text{Time (min)}}
\]

Shortcut Method:
You need to know:
- Infusion Rate (IR) in mL/hour
- Drop factor of the IV tubing

If the drop factor is: Divide IR by: to get the IR

<table>
<thead>
<tr>
<th>Drop factor</th>
<th>IR by</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>15</td>
<td>4</td>
</tr>
<tr>
<td>20</td>
<td>3</td>
</tr>
<tr>
<td>60</td>
<td>1</td>
</tr>
</tbody>
</table>

These tips can be cut out and attached to an index card that can be carried in your pocket for quick reference.