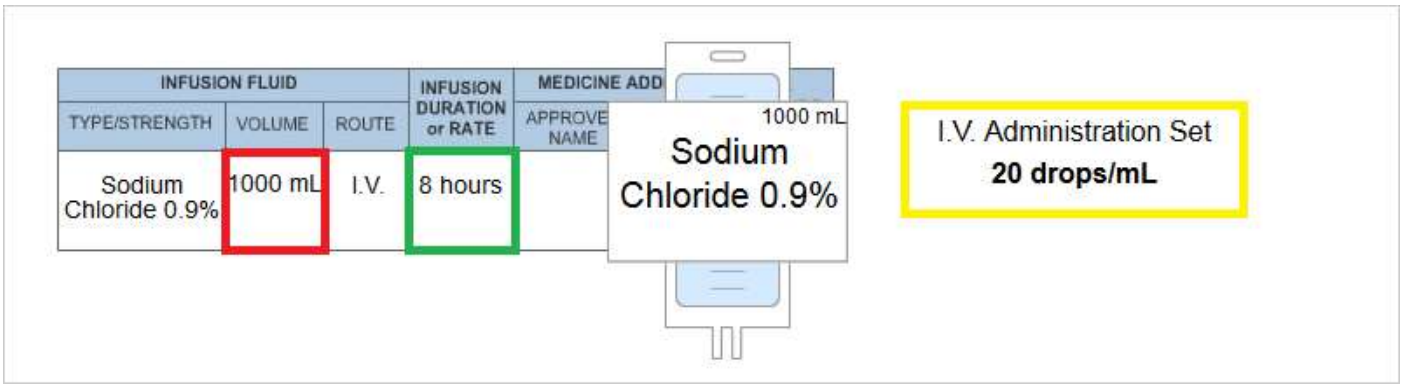
Please ensure this is printed in colour, as the steps below are colour-coded.

IV Calculations

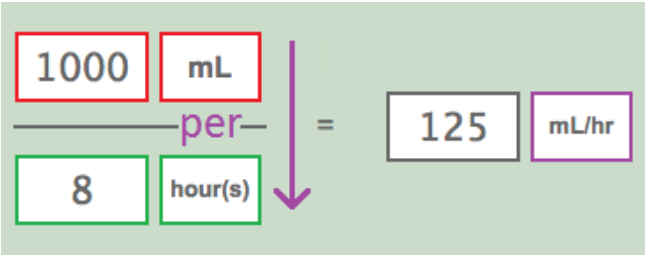
First step



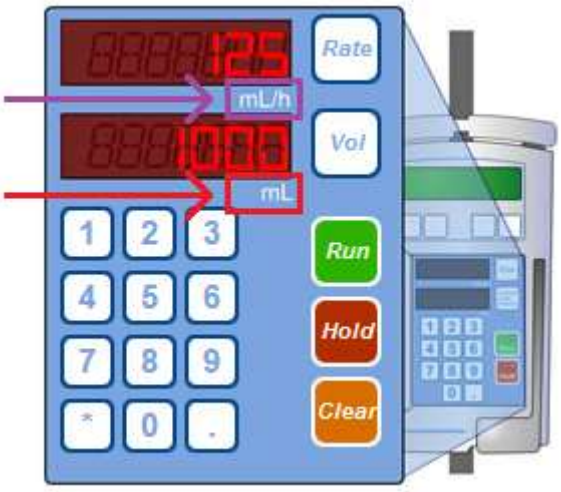
- **Think:** Driving speeds are *miles per hour*.

  Infusion speed is *mL per hour* (mL/hr).

- Enter onto calculation:



- Use the machine as a clue for where to put each number:

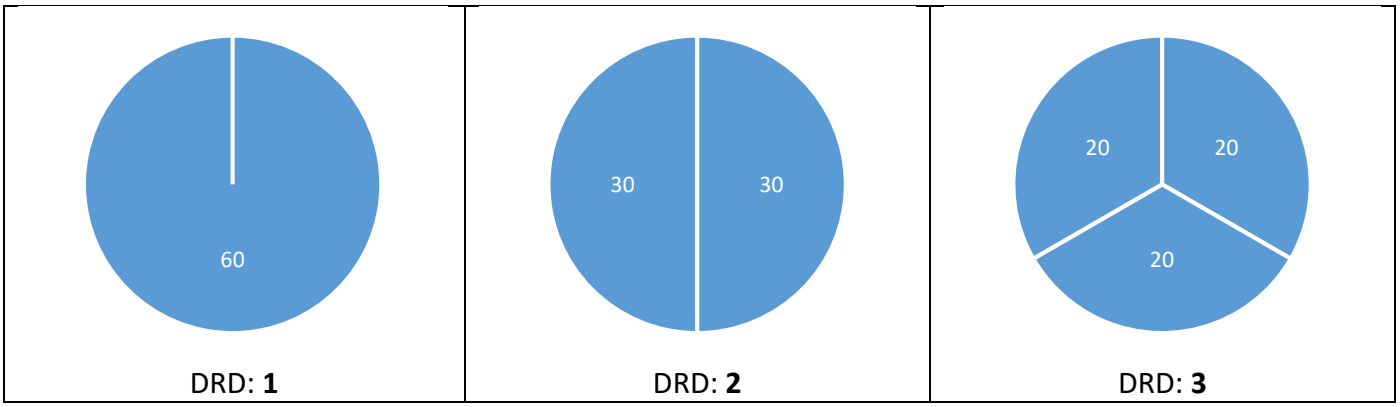


Please ensure this is printed in colour, as the steps below are colour-coded.

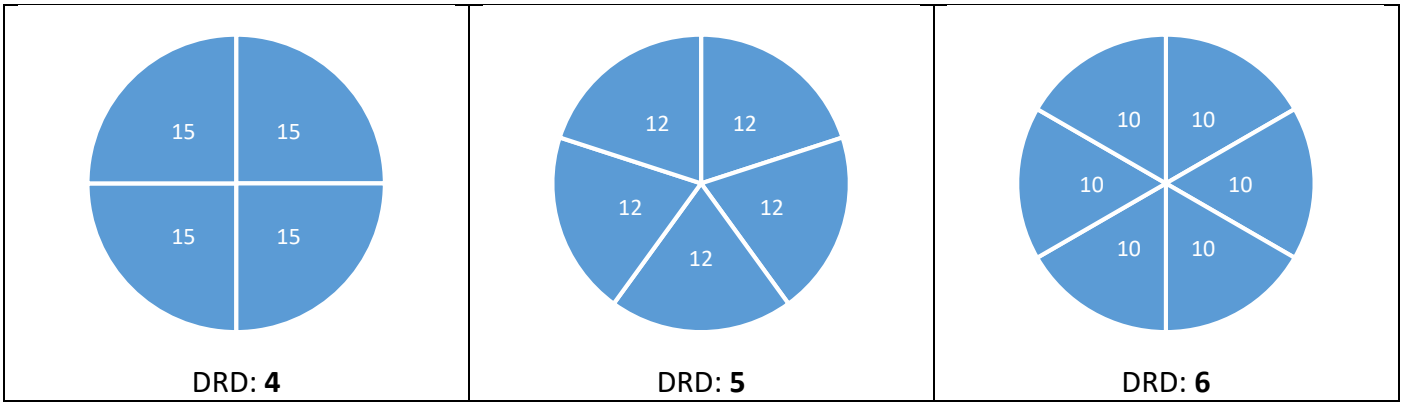
Next step

How to remember DRD?

Think of a clock – how many "drops around the clock"?

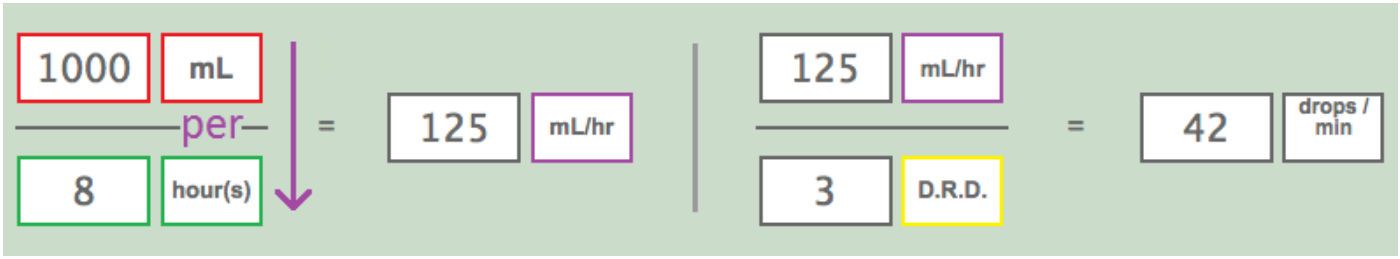


DRD: **1** | DRD: **2** | DRD: **3**

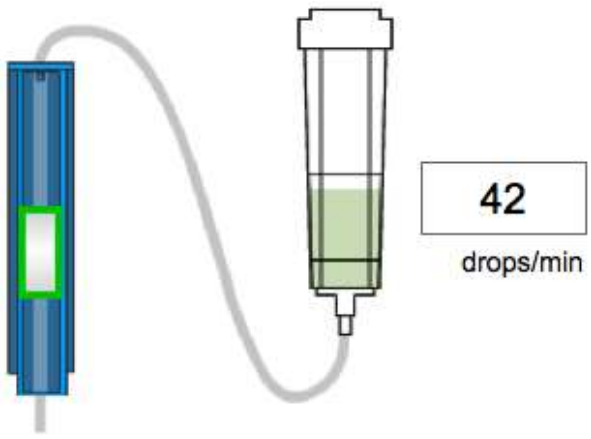


DRD: **4** | DRD: **5** | DRD: **6**

- From the I.V. Administration Set, **20 drops/mL** → DRD: **3**:



- In this example, 125 ÷ 3 = 41.666… so we round up to 42.
- Set this on the IV:



Please ensure this is printed in colour, as the steps below are colour-coded.

Extended method

Correct layout of extended method:

- The first part (1000 ÷ 8) is the same as before.
- This time, put the drops per mL and 60 min / hr (there are always 60 minutes in an hour!)

How to solve? Shortcut – carry on using DRD!

- The first part is 1000 ÷ 8, which is 125 (calculated on the previous page).
- Next step in calculation is to multiply by $\frac{20}{60}$. BUT if you divide by the DRD (i.e. 3), <u>you will get the same answer</u> in fewer steps.