University of South Australia

Infusion rate - Practice Exercises Answers

Answer 1:

We know, Infusion Rate $\left({}^{\text{ml}}/_{\text{hr}}\right) = \frac{\text{Volume (ml)}}{\text{Time (hr)}}$

Here, Volume = 950ml

Time= 8hr

Infusion Rate $\left({}^{\text{ml}}/_{\text{hr}}\right) = \frac{950\text{ml}}{8\text{ hr}}$ = 118.75 ml/hr

Answer 2:

We know, Infusion Rate $\left({}^{\text{ml}}/_{\text{hr}}\right) = \frac{\text{Volume (ml)}}{\text{Time (hr)}}$

Here, Volume = 1.2 L = 1.2 × 1000 = 1200 ml

Time= 420 minutes = $\frac{420}{60}$ = 7 hr

Infusion Rate $\left({}^{\text{ml}}/_{\text{hr}}\right) = \frac{1200\text{ml}}{7\text{ hr}}$ = 171.42 ml/hr

Answer 3:

We know, Infusion Rate $\left({}^{\text{ml}}/_{\text{hr}}\right) = \frac{\text{Volume (ml)}}{\text{Time (hr)}}$

Here, Volume = 1.5L= (1.5x1000) ml= 1500ml

Time= 18 hr

Infusion Rate $\left({}^{\text{ml}}/_{\text{hr}}\right) = \frac{1500\text{ ml}}{18\text{ hr}}$ = 83.33 ml/hr

Answer 4:

We know, Infusion Rate $\left({}^{\text{ml}}/_{\text{hr}}\right) = \frac{\text{Volume (ml)}}{\text{Time (hr)}}$

Here, Volume = 550ml

Time= 2 hr

Infusion Rate $\left({}^{\text{ml}}/_{\text{hr}}\right) = \frac{550\text{ ml}}{2\text{ hr}}$ = 275 ml/hr