

## TIME CONVERSIONS - ANSWERS

$$1a) 12 \text{ hr} \times \frac{60 \text{ min}}{\text{hr}} \times \frac{60 \text{ s}}{\text{min}} = 43200 \text{ s}$$

$$b) 5 \text{ y} \times \frac{365 \text{ d}}{\text{y}} \times \frac{24 \text{ h}}{\text{d}} \times \frac{60 \text{ min}}{\text{h}} \times \frac{60 \text{ s}}{\text{min}} = 157680000 \text{ s}$$

$$c) 9 \text{ hr} \times \frac{60 \text{ min}}{\text{hr}} = 540 \text{ min}$$

$$d) 75 \text{ d} \times \frac{24 \text{ h}}{\text{d}} \times \frac{60 \text{ min}}{\text{h}} \times \frac{60 \text{ s}}{\text{min}} = 6480000 \text{ s}$$

$$e) 8.25 \text{ s} \times \frac{1 \text{ min}}{60 \text{ s}} \times \frac{1 \text{ hr}}{60 \text{ min}} = 2.291\bar{6} \times 10^{-3} \text{ hr}$$

$$f) ~~0.75~~ 0.75 \text{ min} \times \frac{1 \text{ hr}}{60 \text{ min}} \times \frac{1 \text{ d}}{24 \text{ hr}} = 6.076 \times 10^{-2} \text{ d}$$

$$g) 101234 \text{ s} \times \frac{1 \text{ min}}{60 \text{ s}} \times \frac{1 \text{ hr}}{60 \text{ min}} = 28.121 \text{ hr}$$

$$h) 0.578 \text{ min} \times \frac{1 \text{ h}}{60 \text{ min}} = 9.63 \times 10^{-3} \text{ h}$$