

Converting between Days and Hours

Example :

$$2 \text{ days } 10 \text{ hours} = \underline{\hspace{2cm}} \text{ hours}$$

$$\mathbf{1 \text{ day} = 24 \text{ hours}}$$

$$2 \text{ days} = 2 \times 24 \text{ hours}$$

$$= 48 \text{ hours}$$

$$2 \text{ days } 10 \text{ hours} = 48 \text{ hours} + 10 \text{ hours}$$

$$= \mathbf{58 \text{ hours}}$$

$$54 \text{ hours} = \underline{\hspace{1cm}} \text{ days } \underline{\hspace{1cm}} \text{ hours}$$

$$\mathbf{24 \text{ hours} = 1 \text{ day}}$$

$$54 \text{ hours} = \frac{54 \text{ hours}}{24 \text{ hours}}$$

$$= \mathbf{2 \text{ days } 6 \text{ hours}}$$

$$\begin{array}{r}
 \text{2 - days} \\
 24 \overline{) 54} \\
 \underline{48} \\
 \mathbf{6 - \text{hours}}
 \end{array}$$

Convert the following to hours.

1) 15 days 7 hours = hours

2) 9 days 13 hours = hours

3) 12 days 16 hours = hours

4) 6 days 9 hours = hours

5) 8 days 21 hours = hours

Convert the following to days and hours.

6) 115 hours = days hours

7) 245 hours = days hours

8) 140 hours = days hours

9) 176 hours = days hours

10) 323 hours = days hours