

S12 (M) HWS

1. a)
$$\begin{array}{r} 784 + \\ 165 \\ \hline 849 \end{array}$$

b)
$$\begin{array}{r} 7800 - \\ 723 \\ \hline 7277 \end{array}$$

c)
$$\begin{array}{r} 1347 \\ 23 \times 58 \\ \hline 10776 \end{array}$$

d)
$$9 \overline{) 0247}$$

e)
$$\begin{array}{r} 2842 - \\ 178 \\ \hline 164 \end{array}$$

f)
$$7 \overline{) 0257}$$

2. a)
$$\begin{array}{r} 14563 + \\ 12432 \\ \hline 26995 \end{array}$$

b)
$$\begin{array}{r} 14563 - \\ 12432 \\ \hline 2131 \end{array}$$

Supporters

Supporters

3. 1 min = 60 secs

1 hr = $60 \times 60 = 3600$ secs $\rightarrow 60 \times 6 = 360$
 $360 \times 10 = 3600$

1 day = $3600 \times 24 = 86400$ secs \rightarrow

$$\begin{array}{r} 3600 \\ 2 \times 24 \\ \hline 14400 \\ 72000 \\ \hline 86400 \end{array}$$

2 days = $86400 \times 2 = 172800$ secs

4.
$$7 \overline{) 049}$$
 49 weeks

$$\begin{array}{r} 86400 \\ 1 \times 2 \\ \hline 172800 \end{array}$$

5. a) $56 \times 10 = 560$

560.

b) $890 \times 100 = 89000$

89000.

c) $430 \times 1000 = 430000$

$$d) 8400 \div 10 = 840$$

$$e) 54000 \div 100 = 540$$

$$f) 131000 \div 1000 = 131$$

$$6. a) 673 \times 24$$

method 1: Long multiplication

$$\begin{array}{r} 673 \\ \times 24 \\ \hline 2692 \\ + 13460 \\ \hline 16152 \end{array}$$

$\times 4 \rightarrow 2692$
 $\times 2 \rightarrow 13460$ ← place holder

method 2: box multiplication

	600	70	3
20	600 × 20 12000	70 × 20 1400	3 × 20 60
4	600 × 4 2400	70 × 4 280	3 × 4 12

Then ADD UP:

$$\begin{array}{r} 12000 \\ 1400 \\ 60 \\ 2400 \\ 280 \\ 12 \\ \hline 16152 \end{array}$$

$$b) \begin{array}{r} 052 \\ 18 \overline{) 99336} \end{array}$$

$$\begin{array}{r} 18 \\ 36 \\ 54 \\ 72 \\ 90 \end{array}$$

↑
18 times table!
(just +18 each time)

$$7. \text{ ANSWER} = \underline{\underline{49}}$$