

Minutes and Seconds

When adding or subtracting units of time you need to remember that there are 60 seconds in 1 minute.

Adding :-

$$\begin{array}{r} 5 \text{ mins} \quad 40 \text{ secs} \\ + 3 \text{ mins} \quad 50 \text{ secs} \\ \hline 9 \text{ mins} \quad 30 \text{ secs} \end{array}$$

90 secs = 1 min 30 secs

Subtracting :-

$$\begin{array}{r} 8 \text{ mins} \quad 20 \text{ secs} \\ - 5 \text{ mins} \quad 50 \text{ secs} \\ \hline 2 \text{ mins} \quad 30 \text{ secs} \end{array}$$

60 + 20 - 50 = 30 secs

Be able to
add or subtract
units of time

Remember:-

1 hour = 60 minutes
1 minute = 60 seconds

Exercise 6

1. A tenor recorded a song lasting 105 seconds for an advert on TV.
Write this time in **minutes** and **seconds**.



2. Change each of these to **minutes** and **seconds** :-

a 90 secs

b 148 secs

c 220 secs

d 600 secs

e 1230 secs

f 6000 secs.

3. Change each of these to **hours** and **minutes** :-

a 85 mins

b 125 mins

c 245 mins

d 600 mins

e 1810 mins

f 12 000 mins.

4. Copy the following and complete :-

a $\begin{array}{r} 4 \text{ mins} \quad 20 \text{ secs} \\ + 3 \text{ mins} \quad 35 \text{ secs} \\ \hline \end{array}$

b $\begin{array}{r} 4 \text{ mins} \quad 30 \text{ secs} \\ + 2 \text{ mins} \quad 50 \text{ secs} \\ \hline \end{array}$

c $\begin{array}{r} 8 \text{ mins} \quad 45 \text{ secs} \\ + 3 \text{ mins} \quad 55 \text{ secs} \\ \hline \end{array}$

d $\begin{array}{r} 7 \text{ mins} \quad 45 \text{ secs} \\ - 4 \text{ mins} \quad 30 \text{ secs} \\ \hline \end{array}$

e $\begin{array}{r} 7 \text{ mins} \quad 05 \text{ secs} \\ - 1 \text{ min} \quad 55 \text{ secs} \\ \hline \end{array}$

f $\begin{array}{r} 7 \text{ mins} \quad 40 \text{ secs} \\ - 6 \text{ mins} \quad 50 \text{ secs} \\ \hline \end{array}$

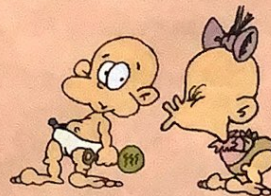
5. Tracy sang 3 songs in her spot on the "Scotland's Got Talent" audition.
"With You" - 3 mins 45 secs, "Be Mine" - 2 mins 50 secs, "Rainbow Girl" - 3 mins 25 secs.
How long did her songs last altogether?

6. Two babies were born at Dumfries Maternity Hospital.

Charles was born on the 31st May 2011 at 2358.

Brenda was born at 0006 on the 2nd June 2011.

How much **younger** is Brenda than Charles?



7. a How many seconds are in one year?
b How many seconds have you been alive?