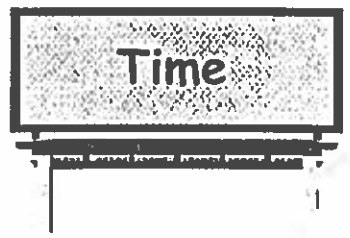
Chapter 3



Exercise 1

1. Change the following to 24 hour times :-

(a) 8·30 am	(b) 1·50 pm	(c) 4·20 pm	(d) 9·01 pm
(e) 6·10 am	(f) 9·45 pm	(g) 11·12 pm	(h) 12·10 pm
(i) 7·08 pm	(j) 11·59 pm	(k) 11·59 am	(l) midnight
(m) Quarter past nine at night		(n) Half past two in the afternoon	
(o) Quarter to six in the evening		(p) Twelve minutes to midnight.	

2. Change the following to 12 hour times :-

(a) 0440	(b) 1610	(c) 2205	(d) 1910
(e) 1130	(f) 0010	(g) 1255	(h) 1010
(i) 1706	(j) 0101	(k) 2010	(l) 0000

Exercise 2

1. How long is it from :-

(a) 3·05 pm to 5·20 pm	(b) 5·15 am to 8·55 am	(c) 6·30 pm to 8·05 pm
(d) 9·50 pm to 11·15 pm	(e) 1430 to 1945	(f) 0950 to 1605
(g) 1442 to 2020	(h) Quarter to six in the morning until five past nine at night ?	

2. Kay is not sure which video to watch.

   (a) For <u>each</u> <u>video</u>, work out what time it would finish if Kay began to watch it at 8·35 pm.

   (b) Kay decides to watch all three videos one after the other.

   At what time does the last video finish ?

A	B	C
2 hrs 40 mins	1 hr 25 mins	2 hrs 55 mins

3. New York is 5 hours behind our time.
   (ie Glasgow time 6 pm → New York time 1 pm).

   An aeroplane leaves Glasgow for New York at 1·45 pm with a flight time of 6 hours 35 mins.

   At what time in New York will the plane land ?

Exercise 3

1. Round the following times to 1 decimal place :-

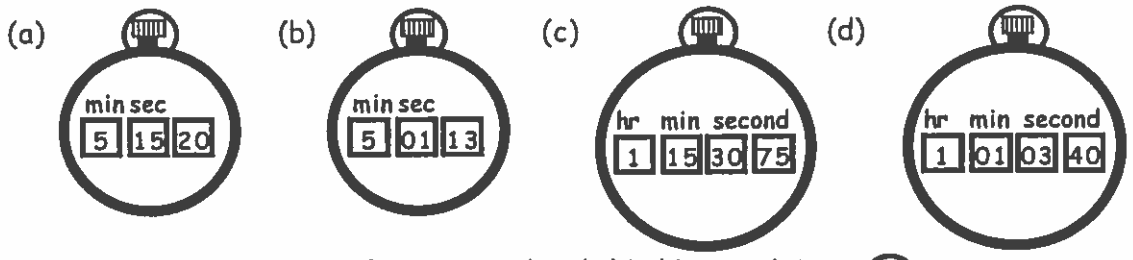
   (a) 8·16 secs (b) 15·05 secs (c) 20·97 secs (d) 0·709 secs.

2. In a Formula 1 trial the following times were recorded;

   Jenson : 54·62 secs, Cooltad : 54·09 secs, Chewmaker : 54·1 secs, Hall : 54·3 secs.

   List the drivers in order, pole position (winner) first.

3. State the times shown in the following stopwatches :-



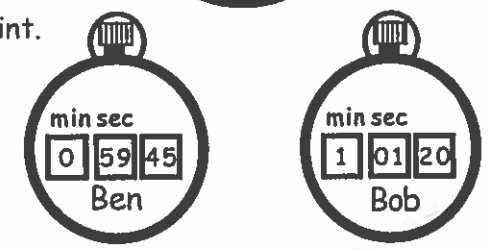
4. Ben, James and Bob came first, second and third in a sprint.

   (a) By how much did Ben beat Bob ?

   (b) James beat Bob by 1·5 secs.

   (i) What was James' time ?

   (ii) By how much did Ben beat James ?



Revision Exercise

1. Write the following in 24 hour time :-

   (a) 9·20 am (b) 4·50 pm (c) 11·05 pm (d) 6·15 pm.

2. Write the following in 12 hour time :-

   (a) 0110 (b) 1715 (c) 2310 (d) 0001.

3. A train left the station at 1105 and arrived at its destination at 1750. How long was the journey ?

4. A paper round started at 6·25 am and took 1 hour 50 mins. At what time did the round finish ?

5. Shown is a train timetable.

Glasgow	09 00	11 30	14 16	17 53	
Garrowhill	09 09	11 39	-- --		-- --
Blairhill	09 12	11 42	-- --	-- --	23 03
Sunnyside	09 14	11 44	-- --	-- --	23 09
Airdrie	09 17	11 47	14 33	-- --	23 12

-- -- denotes express train and does not stop at the station.

   (a) How long does it take the first train from Garrowhill to Airdrie ?

   (b) The last train took 16 minutes from Glasgow to Airdrie. At what time did it leave Glasgow ?

   (c) When will the 1753 express from Glasgow arrive at Airdrie ? (Look at the 1416 express).