**Exercise 1: Telling the Time**

1. Write down the time on each of these clocks

   a
   ![Clock A]

   b
   ![Clock B]

   c
   ![Clock C]

   d
   ![Clock D]

   e
   ![Clock E]

   f
   ![Clock F]

2. Write down the time in words from these digital clocks

   a
   ![Digital Clock A]

   b
   ![Digital Clock B]

   c
   ![Digital Clock C]

   d
   ![Digital Clock D]

   e
   ![Digital Clock E]

   f
   ![Digital Clock F]

3. Write these times in numbers as on a digital clock

   a. Four o’clock
   b. Half past five
   c. Ten past three
   d. Seven minutes past two
   e. Quarter past one
   f. Twenty to six
   g. Quarter to eleven
   h. Ten to midnight
   i. Twenty-five to one
   j. One minute to nine
   k. Seven minutes to six
   l. Eight minutes past two
Exercise 2: Using a.m or p.m

Using a.m or p.m is how we know if it is morning or night. For example 8 o’clock in the morning is 8:00am; 8 o’clock at night is 8:00p.m.

1 Write down each time using a.m or p.m (as it would appear on a digital clock)
   a  Nine o’clock in the morning
   b  Half past ten at night
   c  Quarter to ten at night
   d  Ten past one in the afternoon
   e  Twenty to four in the morning

2 Write these times in words
   a  3 p.m
   b  5:25 a.m
   c  1:05 a.m
   d  3:20 p.m
   e  11:40 p.m
   f  6:15 p.m
   g  9:35 p.m

3 Write down the time on each clock using a.m or p.m
   a  In the evening
   b  Before school
   c  After dinner
   d  After school
   e  In the middle of the night
   f  Afternoon
Exercise 3: 12 and 24 Hour Time

Use this timeline to help you answer the following questions

1. Change each time to 24 hour clock time

   a) 5:00 a.m  
   b) 5:00 p.m  
   c) 2:00 p.m  
   d) 7:30 a.m  
   e) 9:40 p.m  
   f) 11:25 a.m  
   g) 2:20 p.m  
   h) 12:15 p.m  
   i) 10:10 p.m  
   j) 3:00 p.m  
   k) 7:30 p.m  
   l) 11:25 p.m

2. Change each time to 12 hour clock time

   a) 05:00  
   b) 16:00  
   c) 02:00  
   d) 07:30  
   e) 13:24  
   f) 17:05  
   g) 15:24  
   h) 01:45  
   i) 06:55  
   j) 20:10  
   k) 22:15  
   l) 23:32
Exercise 4: Time Intervals

1. Work out how many hours have passed from:
   a. 9:00 a.m to 10:00 a.m
   b. 7:00 a.m to 11:00 a.m
   c. 11:30 a.m to 1:30 p.m
   d. 12:10 p.m to 4:10 p.m
   e. 3:15 p.m to 8:15 p.m
   f. 4:05 p.m to 2:05 a.m

2. Work out how many minutes have passed from:
   a. 9:00 a.m to 9:25 a.m
   b. 7:40 a.m to 7:55 a.m
   c. 11:30 a.m to 11:45 a.m
   d. 12:10 p.m to 12:55 p.m
   e. 3:15 p.m to 3:50 p.m
   f. 4:05 p.m to 4:22 p.m
   g. 1:10 a.m to 1:38 a.m
   h. 14:55 to 15:10
   i. 20:50 to 21:10
   j. 03:42 to 04:15
   k. 22:05 to 23:00
   l. 23:21 to 00:06

3. Work out how many hours and minutes have passed from:
   a. 9:00 a.m to 10:30 a.m
   b. 8:30 a.m to 11:00 a.m
   c. 10:30 a.m to 11:45 a.m
   d. 12:00 p.m to 3:30 p.m
   e. 3:15 p.m to 6:45 p.m
   f. 4:15 p.m to 8:45 p.m
   g. 1:10 a.m to 6:30 a.m
   h. 14:55 to 17:10
   i. 20:50 to 22:15
   j. 03:42 to 07:15
   k. 21:05 to 23:07
   l. 20:20 to 00:06
The following programmes were shown on a TV channel one evening.

- 6.00 pm News Report
- 6.30 pm Local News
- 6.45 pm Scenes from Soaps
- 7.15 pm European Football Live
- 10.00 pm Film – *The Curse of Pi*
- 11.30 pm Evening News
- 11.45 pm Wee Brother

**Exercise 5: Timetables**

**1** Here is part of a bus timetable.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stonehouse</strong></td>
<td></td>
<td><strong>0900</strong></td>
</tr>
<tr>
<td><strong>Larkhall</strong></td>
<td></td>
<td><strong>0915</strong></td>
</tr>
<tr>
<td><strong>Hamilton</strong></td>
<td></td>
<td><strong>0940</strong></td>
</tr>
</tbody>
</table>

- **a** What time does the bus leave Stonehouse?
- **b** What time does the bus arrive at Larkhall?
- **c** How long is the journey from Stonehouse to Larkhall?
- **d** What time does the bus arrive in Hamilton?
- **e** How long was the journey from Larkhall to Hamilton?
Here is part of a train timetable.

| a | What time does the train leave Larkhall? |
|-----------------------------------------|
| b | What time does the train arrive at Rutherglen? |
| c | How long is the journey from Larkhall to Rutherglen? |
| d | What time does the Train arrive in Glasgow? |
| e | How long was the journey from Larkhall to SECC? |

<table>
<thead>
<tr>
<th>Larkhall</th>
<th>1010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamilton</td>
<td>1017</td>
</tr>
<tr>
<td>Rutherglen</td>
<td>1031</td>
</tr>
<tr>
<td>Glasgow Central</td>
<td>1050</td>
</tr>
<tr>
<td>SECC</td>
<td>1105</td>
</tr>
</tbody>
</table>

Here is part of a train timetable.

| a | What time does the train 1 leave Hamilton? |
|-------------------------------------------|
| b | What time does the train 2 arrive at Partick? |
| c | How long is the journey from Motherwell to Hamilton? |
| d | How long is the journey from Hamilton to Blantyre? |
| e | What time does the train2 arrive in Blantyre? |
| f | How long is the journey from Glasgow to Partick? |
| g | What time does the train2 arrive in Partick? |

<table>
<thead>
<tr>
<th>Train 1</th>
<th>Train 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motherwell</td>
<td>0832</td>
</tr>
<tr>
<td>Hamilton</td>
<td>0842</td>
</tr>
<tr>
<td>Blantyre</td>
<td>0847</td>
</tr>
<tr>
<td>Glasgow</td>
<td>0905</td>
</tr>
<tr>
<td>Partick</td>
<td>0912</td>
</tr>
</tbody>
</table>
Exercise 6: Time Problems

1. Milly had an appointment at Dr. Smith's office yesterday at 11:30 a.m. The doctor called her into his office right on time. She was out of there 25 minutes later. What time did Milly leave the doctor's office?

2. Hassan stopped at Ella's Soup and Salad for lunch. He stayed there until he had to leave to meet his friend, William, at the library. They were meeting at 1:30 p.m. The library is a 20-minute walk from Ella's. What time did Hassan have to leave the restaurant in order to get to the library right on time?

3. Bethany and Joe are going to march in the big city parade on Saturday. They have to be at the parade an hour before it starts. The parade kicks off at 11 a.m. If it takes 25 minutes to walk to the starting point of the parade, what time will Bethany and Joe have to leave home in order to be there right on time?

4. Rory, the owner of Rory's Cookie Jar, has to bake 12 large pans of chocolate chip cookies before he leaves for the day. He can bake two pans of cookies at a time. Rory knows that for perfect cookies each pan must bake for 15 minutes -- no more, no less. If he starts baking at 5:45 p.m., what is the earliest he can close up shop?

5. James has a busy day planned today. He will meet his friend, Ben, at the skate park. That is a 15-minute walk from home. They will stay at the skate park for an hour. Then they will take a 10-minute walk over to the shops. The first thing they will do there is to grab a hot dog from Brittany's Burger Bar. If James left home at 10:00 a.m., what time did he and Ben get in line for a hot dog?
Class 4 were doing a writing assessment and the children were allowed 45 minutes to write a short story. If the test started at 11.10 a.m., what time did it finish?

It takes 15 minutes to walk to St Lawrence Church. Father Michael has asked us to be there at 10.20 a.m. At what time must we leave school?

On Wednesday, Mark arrived for P.E. at 2.12 p.m. He wants everyone to be changed in 10 minutes. At what time should the children be ready to go outside?

It takes Mrs Jones 18 minutes to drive to school. If she leaves home at 7.40 a.m. at what time will she arrive?

Last Wednesday, the road was flooded and Mrs Jonest was delayed by 10 minutes. If she left home at 7.45 a.m. when did she reach school.

Sandra runs the after school club from 3.15 p.m. until 6 p.m. how long is the club open each day?

It takes 10 minutes to drive to Southam. Mrs Privett left school at 1.15 p.m. and drove to Southam. She spent 35 minutes shopping and then drove straight back. At what time did she get back to school?