Year 3: Week 3, Day 5
Match analogue and digital clock times; \(\frac{1}{4}\)-hour increments

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.

2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)!
   Check the answers.

3. Finding it tricky? Answer some questions based on the **A Bit Stuck?** activity from yesterday.

4. Have I mastered the topic? Some questions to **Check your understanding**.
   Fold the page to hide the answers!
Know equivalent analogue and digital times; use am and pm.

What time is this clock showing?

1/2 past 7

7:30

What would you normally be doing at this time?

With digital times we can say/write AM or PM so we know which part of the day it is!

AM - morning (ante/before midday)

PM - afternoon/evening (post-midday)
Learning Reminders

Know equivalent analogue and digital times; use am and pm.

You are fast asleep in bed. So, is the time 2:45 AM or PM?

2:45 AM
2:45 PM

You are on the way home from school - write the time in digital format using AM or PM.
Learning Reminders

Know equivalent analogue and digital times; use am and pm.

The clock is showing school assembly time - write the time in digital format using AM or PM.

The clock is showing lunchtime - write the time in digital format using AM or PM.
### Practice Sheet Mild

**Telling times**

Fill in the missing times.

<table>
<thead>
<tr>
<th>Time Description</th>
<th>Time Display</th>
<th>Digital Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 o’clock</td>
<td><img src="image1.png" alt="Time Display" /></td>
<td>05:00</td>
</tr>
<tr>
<td>5 past 3</td>
<td><img src="image2.png" alt="Time Display" /></td>
<td>05:15</td>
</tr>
<tr>
<td>20 past 1</td>
<td><img src="image3.png" alt="Time Display" /></td>
<td>12:40</td>
</tr>
<tr>
<td>quarter to 6</td>
<td><img src="image4.png" alt="Time Display" /></td>
<td>15:45</td>
</tr>
</tbody>
</table>

**Challenge**

Kayla started to draw the hands on this clock to show quarter past three, beginning with the hour hand. Is she going to get it correct?
Draw lines to join the matching times.

- **quarter to 3 am**
- **5 to 10 am**
- **20 to 6 pm**
- **10 past 8 pm**
- **25 past 1 pm**
- **half past 2 am**

**Challenge:** Write the times in order from earliest to latest.

- 5 to 10 am
- quarter to 3 am
- 20 to 6 pm
- 25 past 1 pm
- half past 2 am
- 9:55
Fill in the missing times.

<table>
<thead>
<tr>
<th>Time</th>
<th>Analogue Clock</th>
<th>Digital Clock</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 o’clock</td>
<td><img src="#" alt="Analogue Clock" /></td>
<td><img src="#" alt="Digital Clock" /></td>
</tr>
<tr>
<td>5 past 3</td>
<td><img src="#" alt="Analogue Clock" /></td>
<td><img src="#" alt="Digital Clock" /></td>
</tr>
<tr>
<td>20 past 1</td>
<td><img src="#" alt="Analogue Clock" /></td>
<td><img src="#" alt="Digital Clock" /></td>
</tr>
<tr>
<td>Quarter to 6</td>
<td><img src="#" alt="Analogue Clock" /></td>
<td><img src="#" alt="Digital Clock" /></td>
</tr>
</tbody>
</table>
**Practice Sheet Hot**

**Telling times**

Fill in the missing times.

<table>
<thead>
<tr>
<th>Time</th>
<th>Clock 1</th>
<th>Clock 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>quarter to 2</td>
<td><img src="clock1.png" alt="Clock" /></td>
<td><img src="digital_clock1.png" alt="Digital Clock" /></td>
</tr>
<tr>
<td>5 to 9</td>
<td><img src="clock2.png" alt="Clock" /></td>
<td><img src="digital_clock2.png" alt="Digital Clock" /></td>
</tr>
<tr>
<td>11 o’clock</td>
<td><img src="clock3.png" alt="Clock" /></td>
<td><img src="digital_clock3.png" alt="Digital Clock" /></td>
</tr>
<tr>
<td>10 past 4</td>
<td><img src="clock4.png" alt="Clock" /></td>
<td><img src="digital_clock4.png" alt="Digital Clock" /></td>
</tr>
</tbody>
</table>

**Challenge**

Kayla started to draw the hands on this clock to show quarter past three, beginning with the hour hand. Is she going to get it correct?
Draw lines to join the matching times.

11 o’clock am

5 past 12 pm

quarter past 7 pm

20 past 7 am

10 to 5 am

quarter past 7 pm

25 to 9 pm

Challenge

Write the times in order from earliest to latest.
**Practice Sheet Answers**

**Telling times (mild)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Clock</th>
<th>Digital</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 o’clock</td>
<td><img src="image1" alt="Clock" /></td>
<td>5:00</td>
</tr>
<tr>
<td>half past 12</td>
<td><img src="image2" alt="Clock" /></td>
<td>0:30</td>
</tr>
<tr>
<td>5 past 3</td>
<td><img src="image3" alt="Clock" /></td>
<td>5:05</td>
</tr>
<tr>
<td>quarter past 8</td>
<td><img src="image4" alt="Clock" /></td>
<td>8:15</td>
</tr>
<tr>
<td>20 past 1</td>
<td><img src="image5" alt="Clock" /></td>
<td>8:30</td>
</tr>
<tr>
<td>quarter to 6</td>
<td><img src="image6" alt="Clock" /></td>
<td>9:45</td>
</tr>
</tbody>
</table>

**Matching times (mild)**

- 10 past 8 pm
- quarter to 3 am
- 5 to 10 am
- 25 past 1 pm
- 20 to 6 pm
- Half past 2 am

**Challenge**

No, because the hour hand needs to be a bit further past the three.
### Telling times (hot)

<table>
<thead>
<tr>
<th>Time</th>
<th>Analogue</th>
<th>Digital</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 o’clock</td>
<td><img src="image" alt="5 o’clock" /></td>
<td>05:00</td>
</tr>
<tr>
<td>half past 12</td>
<td><img src="image" alt="half past 12" /></td>
<td>00:30</td>
</tr>
<tr>
<td>5 past 3</td>
<td><img src="image" alt="5 past 3" /></td>
<td>05:03</td>
</tr>
<tr>
<td>quarter past 8</td>
<td><img src="image" alt="quarter past 8" /></td>
<td>08:05</td>
</tr>
<tr>
<td>20 past 1</td>
<td><img src="image" alt="20 past 1" /></td>
<td>08:30</td>
</tr>
<tr>
<td>quarter to 6</td>
<td><img src="image" alt="quarter to 6" /></td>
<td>09:15</td>
</tr>
<tr>
<td>25 past 7</td>
<td><img src="image" alt="25 past 7" /></td>
<td>08:15</td>
</tr>
<tr>
<td>quarter to 2</td>
<td><img src="image" alt="quarter to 2" /></td>
<td>08:30</td>
</tr>
<tr>
<td>5 to 9</td>
<td><img src="image" alt="5 to 9" /></td>
<td>08:30</td>
</tr>
<tr>
<td>20 to 3</td>
<td><img src="image" alt="20 to 3" /></td>
<td>08:20</td>
</tr>
<tr>
<td>11 o’clock</td>
<td><img src="image" alt="11 o’clock" /></td>
<td>08:00</td>
</tr>
<tr>
<td>10 past 4</td>
<td><img src="image" alt="10 past 4" /></td>
<td>04:00</td>
</tr>
</tbody>
</table>

**Challenge**

No, because the hour hand needs to be a bit further past the three.
Matching times (hot)

11 o’clock am

20 past 7 am

10 to 5 am

quarter past 7 pm

5 past 12 pm

25 to 9 pm

Challenge

10 to 5 am
20 past 7 am
11 o’clock am
5 past 12 pm
quarter past 7 pm
25 to 9 pm
**A Bit Tricky?**

**Pink past and blue to**

*Follow-up questions*

**Focus of activity:** Telling the time to the quarter hour on analogue and digital clocks.

11 o’clock

quarter past 8

half past 10

quarter to 5

Cut out the 8 cards, then *match pairs* of analogue, digital and written times:

<table>
<thead>
<tr>
<th>6:45</th>
<th>quarter past four</th>
</tr>
</thead>
<tbody>
<tr>
<td>nine o’clock</td>
<td>half past two</td>
</tr>
<tr>
<td></td>
<td>quarter to seven</td>
</tr>
</tbody>
</table>

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Check your understanding

Questions

Draw the hands on a clock to show:

a) Ten past ten
b) Ten to ten
c) 11:45
d) Quarter past 3
e) 12:40

If the clock hands make a straight line on an analogue clock (pointing away from one another, not overlapping), write some of the times that the clock might be showing.
If the clock hands make a straight line on an analogue clock (pointing away from one another, not overlapping), write some of the times that the clock might be showing. 1:38, 2:44, 3:49, 4:55, 6:00, 7:05, 8:11, 9:17, 10:22, 11:27, 12:33pm approx.