

<b>Mirror times</b>	<b>Skills practised:</b>
<p><i>Children use mirrors and analogue clocks. They record pairs of times using digital format.</i></p>	<ul style="list-style-type: none"> <li>• Telling the time to the nearest 5 minutes using analogue clocks</li> <li>• Recording times using digital format</li> <li>• Seeing mirror images</li> </ul>
<p><b>Conjecture:</b> <i>There is a pattern to pairs of 'mirror times'.</i></p>	
<p><b>What to do:</b>  <i>Children work individually or in pairs.</i>  <i>You will need an analogue clock and a mirror.</i></p> <ol style="list-style-type: none"> <li>1. Set the analogue clock at three o'clock. Record this time in digital format, 3:00.</li> <li>2. Now look at the clock in the mirror. What time does the clock in the mirror say?</li> <li>3. Record this time in digital format.</li> <li>4. Now set the clock at 25 past 9 and record this in digital format.</li> <li>5. Look in the mirror and record the time you see in digital format.</li> <li>6. Repeat this for ten different times. Make sure they are all times where the minute (big) hand points to a number.</li> </ol> <p>Study your pairs of mirror times.  What do you notice about the minutes in each pair?</p> <p><b>HINT:</b> Think of addition.</p> <p>Try making other pairs of mirror times. Does the minutes pattern hold?  Is there a pattern to the hours in the mirror times?</p>	
<p><b>Aim:</b></p> <ul style="list-style-type: none"> <li>– To identify and describe patterns</li> </ul>	<p><b>Minimum number of calculations expected</b></p> <p>15 or more</p>

## Mirror times

1. Set the analogue clock at three o'clock.  
Record this time in digital format.
2. Now look at the clock in the mirror.  
What time does the clock in the mirror say?
3. Record this time in digital format.
4. Set the clock at 25 past 9.  
Record this time in digital format.
5. Look in the mirror and record the time  
you see in digital format.
6. Repeat this for ten different times.  
Make sure they are all times where  
the minute (big) hand points to a  
number.

Time	Digital	Time in the mirror
3 o'clock	3:00	
	9:00	

Study your pairs of mirror times.

What do you notice about the minutes in each pair?

Try making other pairs of mirror times. Does the minutes pattern hold?

Is there a pattern to the hours in the mirror times?