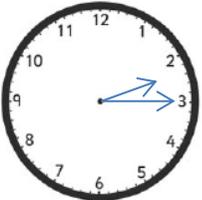
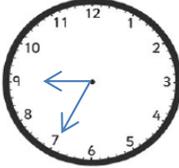
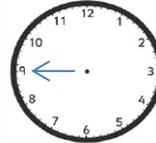
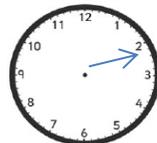


	National Curriculum Statement	All students		
		Fluency	Reasoning	Problem Solving
Measurement - Time	<p>Read, write &amp; convert time between analogue and digital 12 and 24 hour clocks.</p>	<ul style="list-style-type: none"> <li>Read and write the following times in                             <ol style="list-style-type: none"> <li>24 hour clock</li> <li>12 hour clock</li> <li>analogue</li> </ol> <p>e.g. Quarter past 2 in the afternoon:</p> <ol style="list-style-type: none"> <li>14:15</li> <li>2:15pm</li> </ol> <p>c) </p> </li> <li>Work out the problems and then draw the hands in the correct position on the analogue clocks.</li> </ul> <p>Paul sets off to London at 11:05am, the journey took 3 hours and 50 minutes. Draw the time he arrived on the clock.</p> <p>Clare finishes school at 15:25, she had her tea 1 hour and 40 minutes later. Draw the time she ate tea on the clock.</p>	<ul style="list-style-type: none"> <li>Sam says 'To change any time after midday from 12 hour to 24 hour clock just add 12 to the minutes'. Is he correct? Can you explain his thinking?</li> <li>Laura is writing the time 21:35 on the analogue clock below.                              </li> <li>Can you make her time even more accurate? Explain your reasoning.</li> <li>Three children are meeting in the park.                             <div style="display: flex; flex-direction: column; align-items: center; margin-top: 10px;"> <div style="border: 1px solid blue; border-radius: 15px; padding: 5px; background-color: #4a86e8; color: white; margin-bottom: 10px;">Sam says 'We are meeting at 14:10.'</div> <div style="border: 1px solid purple; border-radius: 15px; padding: 5px; background-color: #6a3d9a; color: white; margin-bottom: 10px;">Laura says 'We are meeting at ten to two.'</div> <div style="border: 1px solid orange; border-radius: 15px; padding: 5px; background-color: #f7941d; color: white; margin-bottom: 10px;">Tom says 'We are meeting at 2:10pm'</div> </div> </li> <li>Will all the children meet at the same time? Convince me.</li> </ul>	<ul style="list-style-type: none"> <li>Can you match the analogue clocks to the digital time even though one of the hands is missing?                             <div style="display: flex; justify-content: space-around; align-items: flex-end; margin-top: 10px;"> <div style="text-align: center;"> <span style="border: 1px solid blue; border-radius: 10px; padding: 2px 5px;">14:45</span></div> <div style="text-align: center;"> <span style="border: 1px solid blue; border-radius: 10px; padding: 2px 5px;">8:15</span></div> <div style="text-align: center;"> <span style="border: 1px solid blue; border-radius: 10px; padding: 2px 5px;">20:55</span></div> </div> </li> <li>On a 24 hour digital clock, over 24 hours, how many times does the number 4 appear?                              </li> <li>Does the number 4 appear more or less on a 12 hour digital clock or a 24 hour digital clock?</li> <li>Can you match the time dominoes together so that the adjoining times are the same?                             <div style="display: grid; grid-template-columns: repeat(3, 1fr); gap: 10px; margin-top: 10px;"> <div style="border: 1px solid blue; border-radius: 10px; padding: 5px; background-color: #4a86e8; color: white; text-align: center;">20:55 Ten to two</div> <div style="border: 1px solid orange; border-radius: 10px; padding: 5px; background-color: #f7941d; color: white; text-align: center;">13:50 Five to ten</div> <div style="border: 1px solid teal; border-radius: 10px; padding: 5px; background-color: #4db6ac; color: white; text-align: center;">9:55 Ten to three</div> <div style="border: 1px solid green; border-radius: 10px; padding: 5px; background-color: #8bc34a; color: white; text-align: center;">15:05 Ten past 4</div> <div style="border: 1px solid purple; border-radius: 10px; padding: 5px; background-color: #6a3d9a; color: white; text-align: center;">2:50 Five past 3</div> <div style="border: 1px solid red; border-radius: 10px; padding: 5px; background-color: #c0392b; color: white; text-align: center;">16:10 Five to Nine</div> </div> </li> </ul>

	National Curriculum Statement	All students																										
		Fluency	Reasoning	Problem Solving																								
Measurement - Time	Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.	<ul style="list-style-type: none"> <li>Match the times; fill in the missing times in the empty boxes.</li> </ul> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>11:30pm</td> <td>18:30</td> </tr> <tr> <td>6:30pm</td> <td></td> </tr> <tr> <td>2:30pm</td> <td>14:30</td> </tr> <tr> <td>11:30am</td> <td>23:30</td> </tr> <tr> <td></td> <td>08:30</td> </tr> <tr> <td>8:30am</td> <td>05:30</td> </tr> </table>	11:30pm	18:30	6:30pm		2:30pm	14:30	11:30am	23:30		08:30	8:30am	05:30	<ul style="list-style-type: none"> <li>Hannah is travelling from Halifax to London by car; it takes 4 hours 11 minutes. Sam is travelling from Halifax to London by train; it takes 214 minutes. Who will have the quicker journey? Explain your answer.</li> <li>Phil says, "6420 seconds is longer than 107 minutes." Do you agree? Explain your reasoning.</li> <li>James says, "In a year with 365 days, there is one month that has an exact number of weeks." Which month has an exact number of weeks? Does it have an exact number every year?</li> </ul>	<ul style="list-style-type: none"> <li>Tara is going to Blackpool for a day. She has 4 hours 30 minutes there and can choose 3 activities to do while she is there.</li> </ul> <p>Which activities could she choose to do? How much time would they fill? How many combinations of activities can you find?</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Donkey rides</td> <td>30 minutes</td> </tr> <tr> <td>Theme Park</td> <td>110 minutes</td> </tr> <tr> <td>Blackpool Tower</td> <td>1 hour 20 minutes</td> </tr> <tr> <td>Swimming pool</td> <td>1 hour 45 minutes</td> </tr> <tr> <td>Amusements</td> <td>1 hour 10 minutes</td> </tr> <tr> <td>Sea life Centre</td> <td>125 minutes</td> </tr> </table> <ul style="list-style-type: none"> <li>It is the 6<sup>th</sup> of November. Can you work out when Jan, Tim and Saira's birthdays are using the clues below?</li> </ul> <div style="margin-left: 20px;"> <div style="border: 1px solid blue; border-radius: 15px; padding: 5px; background-color: #4a7ebb; color: white; width: fit-content; margin-bottom: 20px;">             Jan: "It is my birthday in 3 weeks and 2 days."         </div> <div style="border: 1px solid green; border-radius: 15px; padding: 5px; background-color: #70ad47; color: white; width: fit-content; margin-bottom: 20px;">             Tim: "It is my birthday in 96 hours."         </div> <div style="border: 1px solid purple; border-radius: 15px; padding: 5px; background-color: #6a3d9a; color: white; width: fit-content;">             Saira: "It was my birthday 2 weeks and 72 hours ago."         </div> </div>	Donkey rides	30 minutes	Theme Park	110 minutes	Blackpool Tower	1 hour 20 minutes	Swimming pool	1 hour 45 minutes	Amusements	1 hour 10 minutes	Sea life Centre	125 minutes
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Money	<p>Estimate, compare and calculate different measures, including money in pounds and pence.</p>	<ul style="list-style-type: none"> <li>Order the following amounts placing <math>&lt;</math> or <math>&gt;</math> between them. £25.62, 2657p, 2567p.</li> <li>Robbie buys a toy car for 99p, a yoyo for £1.05, three sweets for 30p each and a chocolate bar for 47p. Does he have enough money to pay with a £5 note?</li> <li>Martina buys a jacket for 2165p and a t shirt for £9.99. Hamid buys a coat for £32.00. Who spends the most?</li> </ul>	<ul style="list-style-type: none"> <li>Which would you rather have, three quarters of £2.40 or one quarter of £6? Explain your reasoning.</li> <li>Which would you rather have, five 50p coins or 12 20p coins? Explain why.</li> <li>1 chocolate bar costs the same as 4 sweets. 4 sweets cost the same as 2 stickers. 1 sticker costs 30p. How much does the chocolate bar cost?</li> </ul>	<ul style="list-style-type: none"> <li>Choose a route through the money maze. You can only go on each square once. Can you find the route that makes the highest amount of money? Which route makes the lowest amount of money?</li> </ul> <div style="text-align: center;"> </div> <ul style="list-style-type: none"> <li>Lola and Jamal are sharing some coins. Lola gets half the amount of Jamal. Which coins could they each get?</li> </ul> <div style="text-align: center;"> </div>