

Canonbury Home Learning

**Year 6 Maths**

**Developing activity**

**Lesson 5**

**LO: TBAT apply my knowledge of the 24 hour clock to solve problems.**

**Success Criteria:**

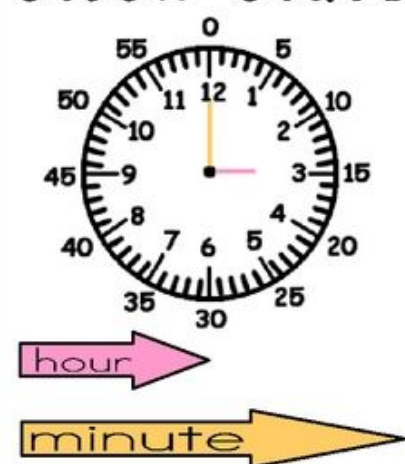
1. Look at the analogue or digital time.
2. Look at the picture beside the clock or the am/pm to find what time of day it is.
3. Convert to the 24 hour

**Model**

Watch the 24 hour clock rap <http://mathsraps.lgfl.org.uk/>

12-hour time	24-hour time
12 a.m. (midnight)	00:00
1 a.m.	01:00
2 a.m.	02:00
3 a.m.	03:00
4 a.m.	04:00
5 a.m.	05:00
6 a.m.	06:00
7 a.m.	07:00
8 a.m.	08:00
9 a.m.	09:00
10 a.m.	10:00
11 a.m.	11:00
12 p.m. (noon)	12:00
1 p.m.	13:00
2 p.m.	14:00
3 p.m.	15:00
4 p.m.	16:00
5 p.m.	17:00
6 p.m.	18:00
7 p.m.	19:00
8 p.m.	20:00
9 p.m.	21:00
10 p.m.	22:00
11 p.m.	23:00

**Clock Clues**



**Now try...**

**Write each time as 24-hour digital time.**

Canonbury Home Learning

**Year 6 Maths**

**Expected/ Greater depth activity**

**Lesson 5**

**LO: TBAT solve problems involving time.**

**Task:**

You are going to apply your knowledge of time to solve several problems.

**Success Criteria:**

1. Read the time and then convert to 12 hour clock (am/ pm)
2. Recap your knowledge of different time intervals (months in a year, days in a week, etc.)
3. Use a counting up number line to work out time intervals.

**Recap:**

Watch the 24 hour clock rap <http://mathsraps.lgfl.org.uk/>

30 days have September,  
April, June and  
November. All the rest  
have 31.

Excepting February which  
has 28 days clear and 29  
each leap year.

J F A Jn Jy A S O N D

How long from 10:15 to 11:00 ?

5 mins + 40 mins = 45 mins

Options

Clear Undo Switch to 12-hour clock

**UNITS OF TIME**

**SECOND**  
1000 milliseconds = 1 second

**MINUTE**  
60 seconds = 1 minute

**HOUR**  
60 minutes = 1 hour

**DAY**  
24 hours = 1 day

**WEEK**  
7 days = 1 week

**MONTH**  
~ 4 weeks = 1 month

**YEAR**  
12 months = 1 year

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**Year 6 Maths**

**Main activity**

Complete at least 2 columns, more if you can!

Task 1	Task 2	Task 3	Task 4														
<p><b>Practice</b></p> <p>Write each time using 12 hour am or pm.</p> <div data-bbox="107 533 398 699"> <p>10 06:35</p> <p>11 14:20</p> </div> <div data-bbox="107 735 398 901"> <p>12 21:22</p> <p>13 11:09</p> </div> <div data-bbox="107 938 398 1104"> <p>14 19:43</p> <p>15 22:47</p> </div>	<p><b>Arithmetic</b></p> <table border="1"> <tr> <td>1</td> <td><math>92 \div 1 =</math></td> </tr> <tr> <td>2</td> <td><math>369 + 1 =</math></td> </tr> <tr> <td>3</td> <td><math>456 \times 0 =</math></td> </tr> <tr> <td>4</td> <td><math>6 \times 7 =</math></td> </tr> <tr> <td>5</td> <td><math>2845 + 728 =</math></td> </tr> <tr> <td>6</td> <td><math>507 - 10 =</math></td> </tr> <tr> <td>7</td> <td><math>716 \div 4 =</math></td> </tr> </table>	1	$92 \div 1 =$	2	$369 + 1 =$	3	$456 \times 0 =$	4	$6 \times 7 =$	5	$2845 + 728 =$	6	$507 - 10 =$	7	$716 \div 4 =$	<p><b>Problem Solving</b></p> <p><b>Q1.</b> How many days are there in September, October and November altogether?</p> <div data-bbox="1312 451 1498 520"> <input type="text"/> days         </div> <p><b>Q2.</b> Write the missing numbers.</p> <p>60 months = <input type="text"/> years</p> <p>72 hours = <input type="text"/> days</p> <p>84 days = <input type="text"/> weeks</p> <p><b>Q3.</b> A clock shows this time twice a day.</p> <div data-bbox="1155 959 1341 1145"> </div> <p>Tick the two digital clocks that show this time.</p> <div data-bbox="1010 1214 1090 1254">03:45</div> <div data-bbox="1207 1214 1288 1254">02:45</div> <div data-bbox="1406 1214 1487 1254">09:45</div> <div data-bbox="1111 1378 1191 1418">21:45</div> <div data-bbox="1308 1378 1388 1418">14:45</div>	<p><b>Reasoning</b></p> <p><b>Q4.</b> What is 444 minutes in hours and minutes?</p> <div data-bbox="1778 469 1944 537"> <input type="text"/> hours         </div> <div data-bbox="1966 469 2132 537"> <input type="text"/> minutes         </div> <p><b>Explain your answer.</b></p> <p><b>Q5.</b> The time is 10:35am.</p> <div data-bbox="1767 716 1944 887"> </div> <p>Kate says, <b>'The time is closer to 11:00am than to 10:00am'.</b></p> <p>Explain why Kate is correct.</p> <div data-bbox="1588 1050 2056 1337"> </div>
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