Year 4 ~ Maths ~ Week 4

You will not need to print out the questions, use a piece of paper to write out the answers and do all of your working out.
Ask someone else who lives with you to mark it for you, then you can talk about your errors!
Looking forward to seeing your work!

	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Mental Maths	Work with an adult or older sibling to practice telling the time. You could use the game below and choose your level. https://mathsframe.co.uk/en/resources/resource/116/telling-the-time		Times tables practice up to twelve. You may choose to use Times Tables Rocks Stars https://ttrockstars.com/	Doubles – throw a dice twice to create a 2-digit number – double it. Try this game https://www.topmarks.co.uk/maths-games/hit-the-button Choose your level of skill - not too easy!!!	Times tables practice up to twelve. You may choose to use Times Tables Rocks Stars https://ttrockstars.com/ Ask someone in your home to practice with / test you with the times tables you have worked on this week.

	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Problem / Activity of the day	**Analogue to Digital – 12 hour** Time on the 12hour clock is separated into am and pm. What hours are am and what hours are pm? 12:00 is where it changes. Remember when telling the time using an analogue clock the shorter hand tells you the hours and the longer hand tells you how many minutes past the hour it is.	**Analogue ~ what time will it be?** As mentioned yesterday the hour hand moves around the clock face too. Also, each number is another 5 mins around the clock. Fill in the blanks below. E.g. 12 = 0'clock 1 = 5mins past 2 = 10mins past 3 = 15mins past 4 = 5 = 6 = half past	**Solving problems involving time** When solving time problems, it helps when you read the question carefully. Twice. You also need to remember all of the rules you have learnt so far. They will help you.  Jack writes this time as 5:20pm. What mistake has he made?	**Working with hours** Now I would like you to investigate numbers and time. Look at the activity below. What possible ways can you do it systematically? Thinking about finding all the possibilities. So, what digit will you start with? What will come next? How will you make sure that you have found all possibilities?	**Analogue to Digital – 24 hour** Sometimes time looks different. Look at the time below: 13:10 This is 1:10 pm. These times are used when it is very important to know when it is am or pm with no errors. Bus and train timetables use 24hour digital clocks. When a digital clock gets to 12:00pm the next hour will be 13:00.

<table>
<tr>
<td></td>
<td>Now complete activities for day 1.</td>
<td>7 = 25 mins to
8 = 20 mins to
9 =
10 =
11 = 5 mins to

If the time is 5:15pm
 

What time was it 15 mins before? (You need to count on)

What time will it be 10 mins later? (You need to count back).</td>
<td>What is the time?</td>
<td></td>
<td>Fill in the gaps below / write the table out onto a piece of paper.:
<table><tr><th>12hour</th><th>24 hour</th></tr><tr><td>12:00pm</td><td>12:00</td></tr><tr><td>1:00pm</td><td>13:00</td></tr><tr><td>2:00pm</td><td></td></tr><tr><td>3:00pm</td><td></td></tr><tr><td></td><td>16:00</td></tr><tr><td></td><td>17:00</td></tr><tr><td></td><td>18:00</td></tr><tr><td>7:00pm</td><td></td></tr><tr><td>8:00pm</td><td></td></tr><tr><td></td><td>21:00</td></tr><tr><td>10:00pm</td><td></td></tr><tr><td></td><td></td></tr><tr><td>12:00am</td><td>0:00</td></tr></table></td>
</tr>
<tr>
<td>Resources you will need</td>
<td>Pencil / paper.</td>
<td>Pencil / paper</td>
<td>Pencil/ paper</td>
<td>Pencil / paper</td>
<td>Pencil / paper</td>
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<tr>
<td>Tips / Clues or methods to help</td>
<td>Remember once the minute hand moves beyond 15-20 mins past the hour, the hour hand starts to move too!</td>
<td>Keep practising telling the time. Using the linked game above.

Count round the clock in 5 min intervals to help you solve the questions.</td>
<td>Keep practising telling the time. Using the linked game above.</td>
<td>Use the numbers from your 0-9 number cards.

You can move the numbers around easier if you use them!</td>
<td>Practice the 24hour times, using the telling the time game link on Tuesday.

(There is an extension activity following if you would like to give it a go.)</td>
</tr>
</table>

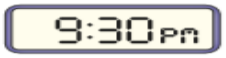
Day 1

Is the time shown on the clock in the morning or the afternoon?
Sort the clocks into the table.

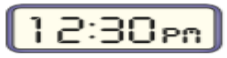
Clock A

Clock D

Clock B



Clock E



Clock C

Clock F

Morning	Afternoon

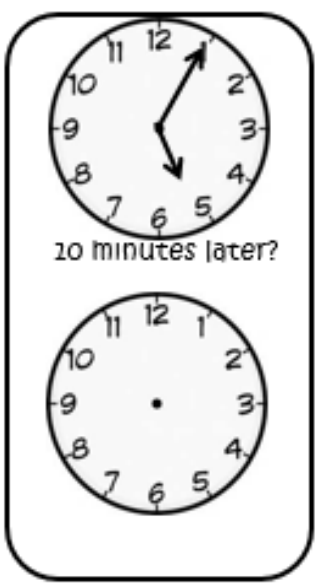
Complete the table by drawing hands on the analogue clock or writing the 12-hour digital time.

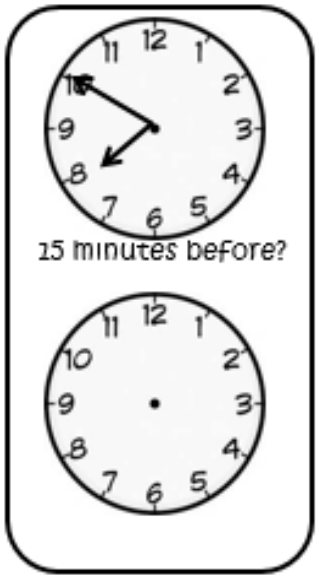
Analogue	Digital
 pm	:
	3:10PM
	6:30AM
 am	:

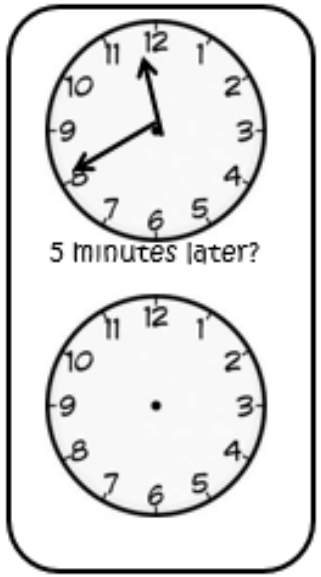
Day 2

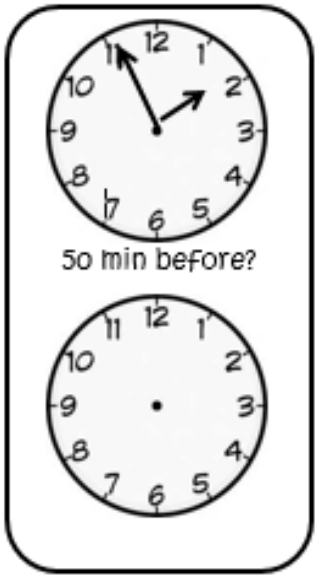
Analogue - What time will it be?

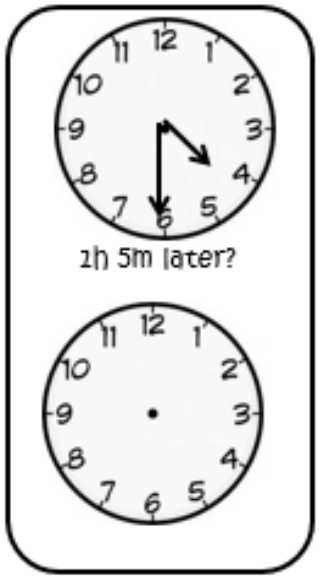
Look at the written time, Can you say what it would be . . . .

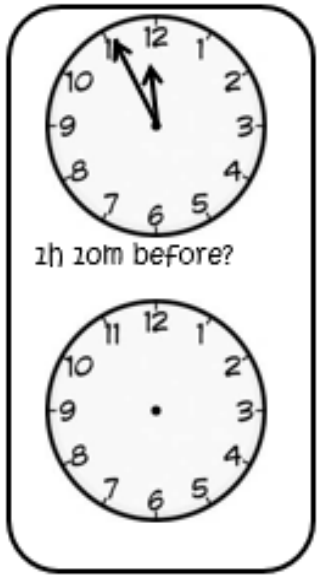












Day 3

pm

Ron is writing the time in 12-hour digital format.

5:03 pm

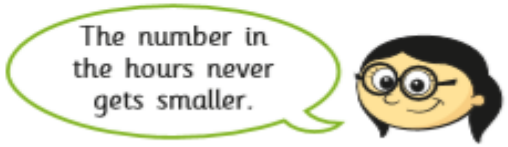
What mistake has Ron made?

Jack and Annie are looking at what happens when you add 50 minutes to a time in the 12-hour digital format.

a)

Is Jack's statement always, sometimes or never true?

b)



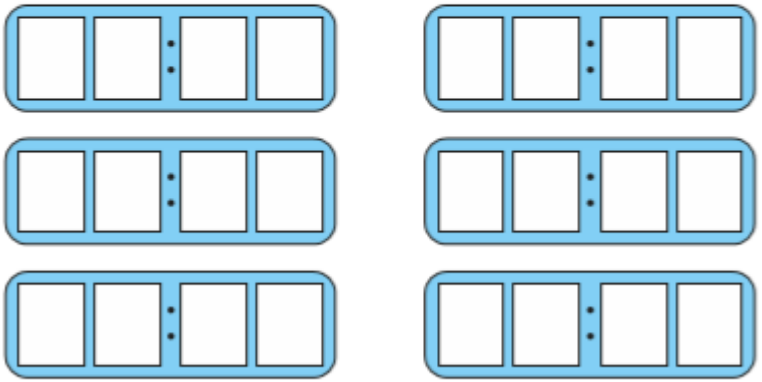
Is Annie's statement always, sometimes or never true?

Day 4

Using the digit cards once only each time, show six different times that could be shown on a 12-hour digital clock.

You do not need to use all the cards every time.

0	1	2	3



Are there any other possible answers?

What are the answers that could not be times on a digital clock?

Day 5

What is the same and what is different about the clocks in each set?

a)

11:00 AM

11:00

b)

11:00 PM

23:00

Write the times in 12-hour digital format using am or pm.

24-hour digital	12-hour digital
06:10	
18:10	
21:12	
12:45	
00:45	

EXT activity

Complete the sequences by writing the next two times in 24-hour digital format.

a)

: :

b) 7:30 9:45 12:00 : :

c) 9:10 PM 10:00 PM 10:50 PM : :

Nijah is delivering a parcel to her friend's house.

She leaves her house at

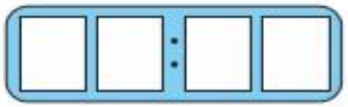
am.

She arrives at her friend's house at 11:50

She leaves her friend's house at 11:55

If her return journey takes the same amount of time, what time will it be when she gets home?

Write your answer in 24-hour digital format.



Answers

Day 1

Morning	Afternoon
A C F	B D E

Complete the table by drawing hands on the analogue clock or writing the 12-hour digital time.

Analogue	Digital
 pm	3:50 PM
	3:10 PM
	6:30 AM
 am	7:45 AM

Day 2

1) 5:15 / quarter past 5

2) 7:35 / 25 mins to 8

3) 11.45 / quarter to 12

4) 1:05 / five past 1

5) 10:45 / quarter to 11

Day 3


pm

Ron is writing the time in 12-hour digital format. 5:03 pm

What mistake has Ron made?

He thinks the minute hand pointing at 3 means 3 minutes past when actually it means 15 minutes past

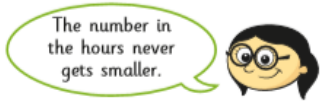
Jack and Annie are looking at what happens when you add 50 minutes to a time in the 12-hour digital format.

a)

Is Jack's statement always, sometimes or never true?

Sometimes

b)



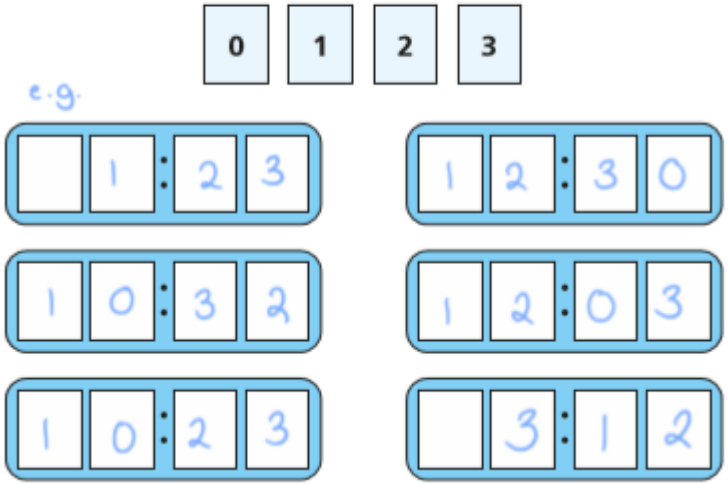
Is Annie's statement always, sometimes or never true?

Sometimes

Day 4

Using the digit cards once only each time, show six different times that could be shown on a 12-hour digital clock.

You do not need to use all the cards every time.



Day 5

Write the times in 12-hour digital format using am or pm.

24-hour digital	12-hour digital
06:10	6:10 am
18:10	6:10 pm
21:12	9:12 pm
12:45	12:45pm
00:45	12:45 am

EXT activity

Complete the sequences by writing the next two times in 24-hour digital format.

a)  18:00 18:30

b) 7:30 9:45 12:00 14:15 16:30

c) 9:10pm 10:00pm 10:50pm 23:40 00:30

Nijah is delivering a parcel to her friend's house.

She leaves her house at  am.

She arrives at her friend's house at 11:50

She leaves her friend's house at 11:55

If her return journey takes the same amount of time, what time will it be when she gets home?

Write your answer in 24-hour digital format.

1 3 : 0 5