

# Homework/Extension

## Step 4: Analogue to Digital – 24 Hour

### National Curriculum Objectives:

Mathematics Year 4: (4M4b) [Read, write and convert time between analogue and digital 12- and 24-hour clocks](#)

### Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

**Developing** Fill in the missing times to support using analogue to digital (24 hour). Using 15 minute intervals.

**Expected** Fill in the missing times to support using analogue to digital (24 hour). Using 5 minute intervals.

**Greater Depth** Fill in the missing times to support using analogue to digital (24 hour). Using 1 minute intervals.

Questions 2, 5 and 8 (Varied Fluency)

**Developing** Circle the correct digital times to support using analogue to digital (24 hour). Using 15 minute intervals.

**Expected** Circle the correct digital times to support using analogue to digital (24 hour). Using 5 minute intervals.

**Greater Depth** Circle the correct digital times to support using analogue to digital (24 hour). Using 1 minute intervals.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

**Developing** Calculate different amounts of time to support using analogue to digital (24 hour). Using 15 minute intervals.

**Expected** Calculate different amounts of time to support using analogue to digital (24 hour). Using 5 minute intervals.

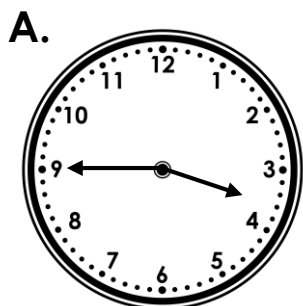
**Greater Depth** Calculate different amounts of time to support using analogue to digital (24 hour). Using 1 minute intervals.

More [Year 4 Time](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

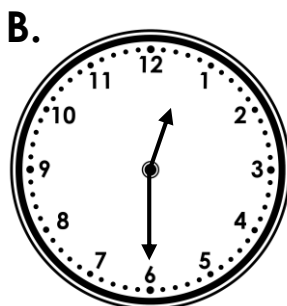
# Analogue to Digital – 24 Hour

1. Fill in the missing information below using the clues provided. Digital time must be written as a 24 hour number.

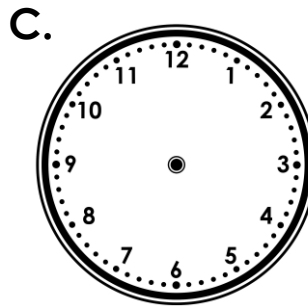


pm

:



12:30



23:45



VF  
HW/Ext

2. Circle the letters below that show a time that is later than quarter to 5 in the evening.

A. **05:00**

B. **23:00**

C. **17:15**

D. **16:45**

E. **11:45**



VF  
HW/Ext

3. Ivan catches his bus at 18:15. He arrives at his destination after 22:30 but before 23:00. Where has he gone on holiday? Give your answer in 24 hour digital time.

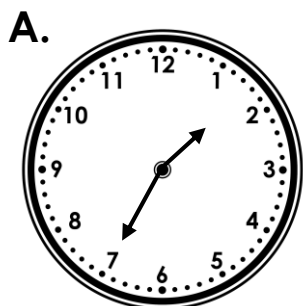
Destination	Journey Duration
London	4 hours 15 minutes
Edinburgh	4 hours
Cardiff	4 hours 30 minutes



RPS  
HW/Ext

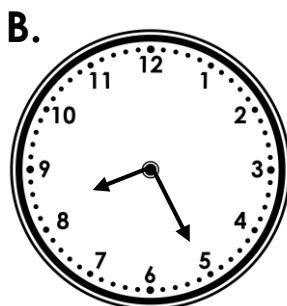
## Analogue to Digital – 24 Hour

4. Fill in the missing information below using the clues provided. Digital time must be written as a 24 hour number.

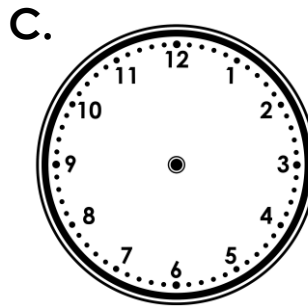


pm

:



08:25



17:40



VF  
HW/Ext

5. Circle the letters below that show a time that is later than 25 minutes to 9 in the evening.

A.

09:55

B.

20:25

C.

21:05

D.

20:35

E.

20:40



VF  
HW/Ext

6. Sam catches his flight at 17:55. He arrives at his destination after 20:05 but before 20:15 in the country he is in. Where has he gone on holiday? Give your answer in 24 hour digital time.

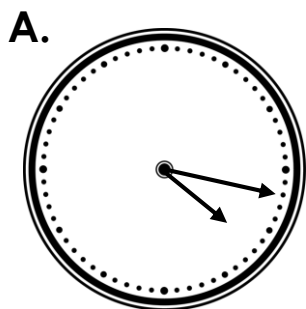
Destination	Flight Duration	Time Difference
Austria	1 hour 20 minutes	+ 1 hour
France	1 hour 10 minutes	+ 1 hour
Amsterdam	1 hour 15 minutes	+ 1 hour



RPS  
HW/Ext

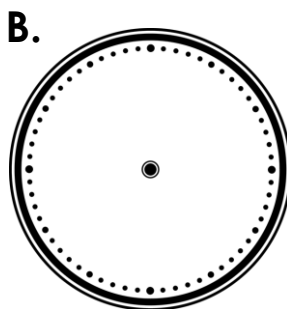
## Analogue to Digital – 24 Hour

7. Fill in the missing information below using the clues provided. Digital time must be written as a 24 hour number.

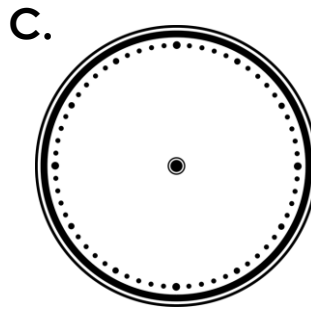


pm

:



07:47

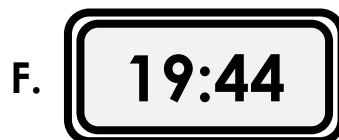
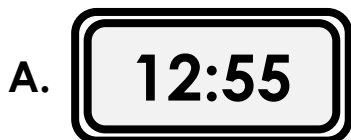


20:32



VF  
HW/Ext

8. Circle the letters below that show a time that is later than 17 minutes to 8 in the evening.



VF  
HW/Ext

9. Katie catches her flight at 05:54. She arrives at her destination after 21:11 but before 23:16 in the country she is in. Where has she gone on holiday? Give your answer in 24 hour digital time.

Destination	Flight Duration	Time Difference
Thailand	11 hours 26 minutes	+ 6 hours
India	9 hours 7 minutes	+ 7 hours
Bangladesh	9 hours 59 minutes	+ 5 hours



RPS  
HW/Ext

# Homework/Extension

## Analogue to Digital – 24 Hour

### Developing

1. A. 15:45; B. pm; C. pm



2. B and C

3. Ivan is on holiday in Cardiff and arrived at 22:45. If he caught the bus to London, he would have arrived at 22:30 which is too early. If he caught the bus to Edinburgh, he would have arrived at 22:15 which is also too early.

### Expected

4. A. 13:35; B. am; C. pm



5. C and E

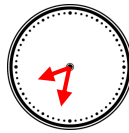
6. Sam is on holiday in Amsterdam and arrived at 20:10. If he flew to Austria, he would have arrived at 20:15 which is too late. If he flew to France, he would have arrived at 20:05 which is too early.

### Greater Depth

7. A. 16:17; B. am



; C. pm



8. C and F

9. Katie is on holiday in India and arrived at 22:01. If she flew to Thailand, she would have arrived at 23:20 which is too late. If she flew to Bangladesh, she would have arrived at 20:53 which is too early.