

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.

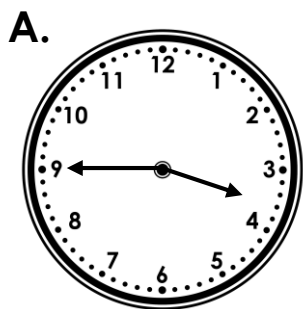
Greater Depth Calculate different amounts of time to support using analogue to digital (24 hour). Using 1 minute intervals.

More [Year 4 Time](#) resources.

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

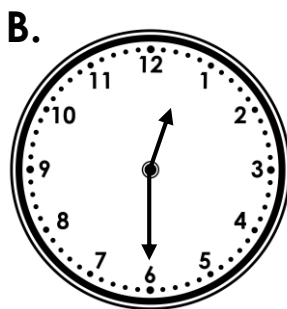
Analogue to Digital – 24 Hour

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

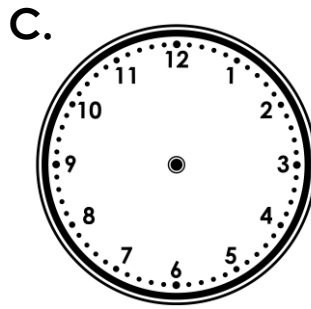


pm

:



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.

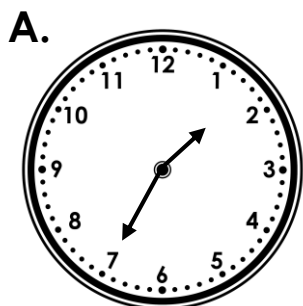
Destination	Journey Duration
London	4 hours 15 minutes
Edinburgh	4 hours
Cardiff	4 hours 30 minutes



RPS
HW/Ext

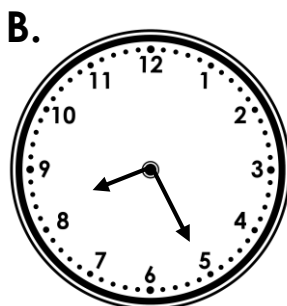
Analogue to Digital – 24 Hour

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

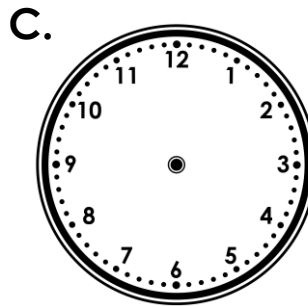


pm

:



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.

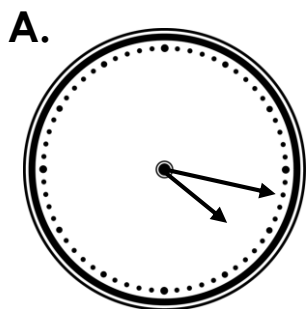
Destination	Flight Duration	Time Difference
Austria	1 hour 20 minutes	+ 1 hour
France	1 hour 10 minutes	+ 1 hour
Amsterdam	1 hour 15 minutes	+ 1 hour



RPS
HW/Ext

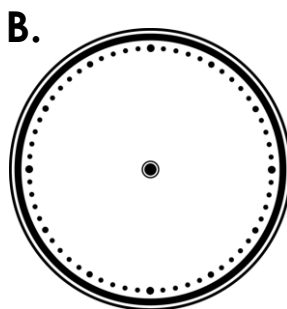
Analogue to Digital – 24 Hour

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

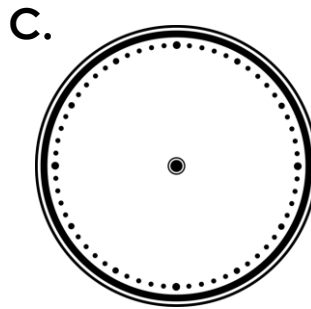


pm

:



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.

A.

12:55

B.

18:36

C.

19:58

D.

19:40

E.

19:43

F.

19:44



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

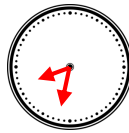
6. Sam is on holiday in Amsterdam and arrived at 20:10. If he flew to Austria, he would have arrived at 20:15 which is too late. If he flew to France, he would have arrived at 20:05 which is too early.

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.