Analogue to digital – 24 hour

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

a)

11:00ᴬᵐ   11:00   **am**

b)

11:00ᵖᵐ   23:00   **pm**

2 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	

3   23:30   Take away 12 hours →   11:30

To change from 24-hour to 12-hour digital time, you just have to subtract 12 from the hours.

Does Amir's method always work? _____

Explain your reasons.

4 The time is 6:47 pm.

Dexter, Alex and Mo are using number lines to work out what time it will be in 2 hours and 36 minutes.

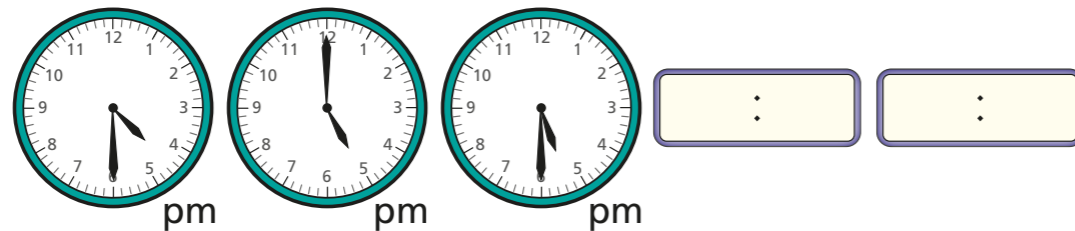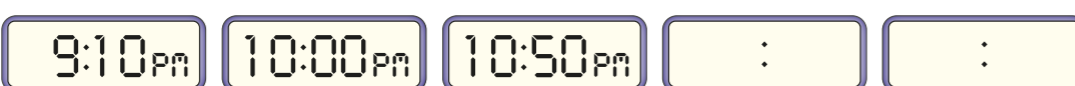Fill in the missing times in 24-hour format.

Dexter   6:47 pm   + 13 mins   + 2 hours   + 23 mins

Alex   6:47 pm   + 2 hours   + 13 mins   + 23 mins

Mo   6:47 pm   + 13 mins   + 23 mins   + 2 hours

Whose method do you prefer?

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

a)

pm   pm   pm   [:   ]   [:   ]

b)

[7:30] [9:45] [12:00] [:   ] [:   ]

c)

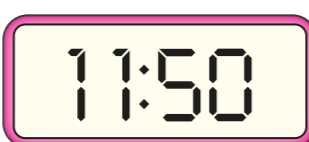[9:10pm] [10:00pm] [10:50pm] [:   ] [:   ]

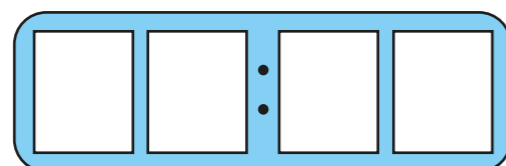**6** Nijah is delivering a parcel to her friend's house.

She leaves her house at   am.

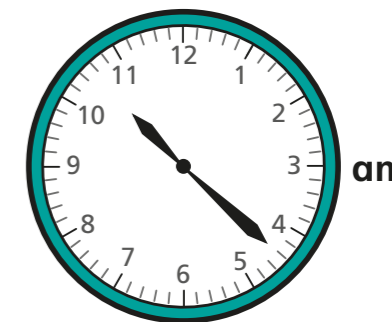She arrives at her friend's house at [11:50]

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.

[:   ]

7 Whitney thinks the time is 22:10

What mistake has Whitney made?

 am

8

[0] [1] [2] [3]   [:   ]

Using the digit cards once only each time, write five different times that can be shown on the 24-hour clock.

_____

_____

Compare answers with a partner.

9 The time 15:51 is palindromic.

If you write the digits forwards or backwards the time will be the same.

Write five other times in the 24-hour digital format that are palindromic.

_____

_____

Compare answers with a partner.