1) Write the correct 24-hour time shown by each analogue clock.

a)

p.m.
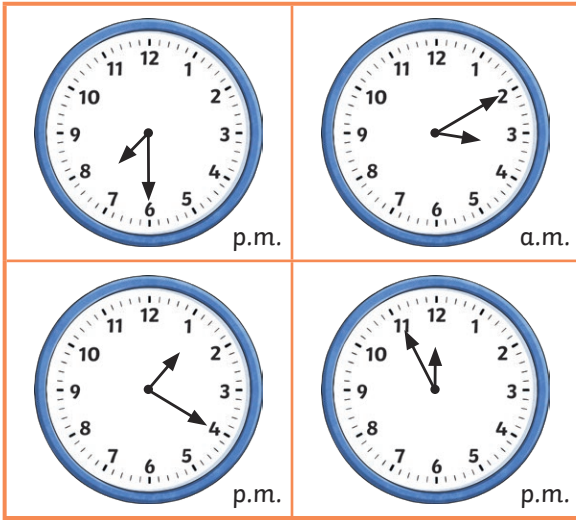
15:45
03:45	16:45

b)

a.m.
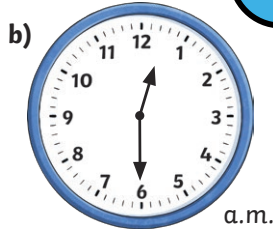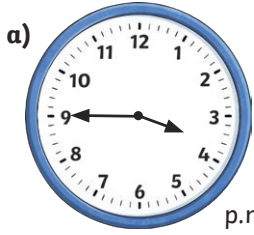
24:30
12:30	00:30

2) Convert these times to 24-hour digital time and write the times in order from earliest to latest.
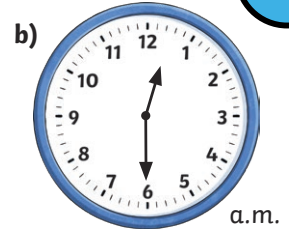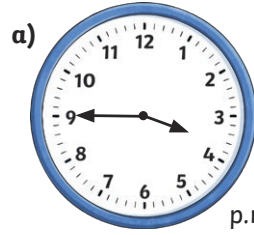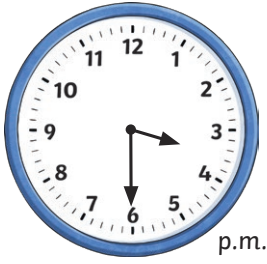
p.m.   a.m.

p.m.   p.m.
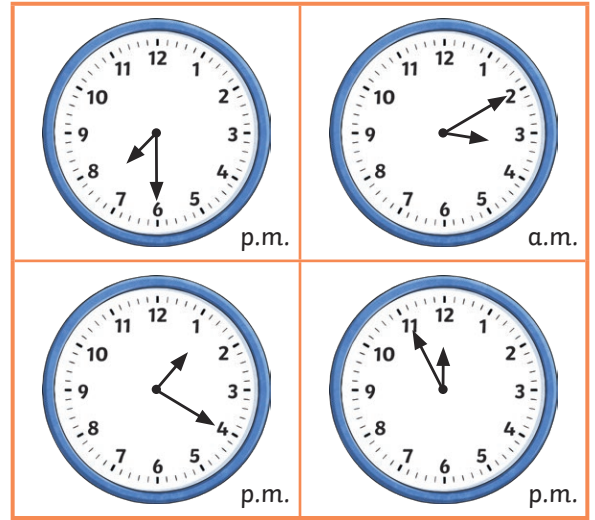
3) a) Complete the timetable for Ben's day by writing the correct 24-hour digit time or by drawing in the hands on the analogue clock faces.

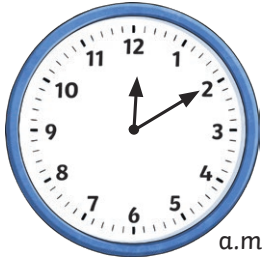| Activity	Analogue Time	24-Hour Digital Time
breakfast	a.m.	
school starts		8:45
lunch starts	p.m.	

Give your answers in 24-hour digital time:

b) Ben has an art lesson 1 hour after lunch starts. What time does his art lesson start?

c) He eats a snack 1 hour after school starts. What time does he eat his snack?

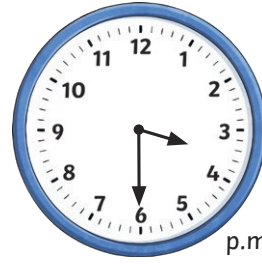**1)** Amelia has converted these analogue clock times to 24-hour digital times. Explain any mistakes she has made.
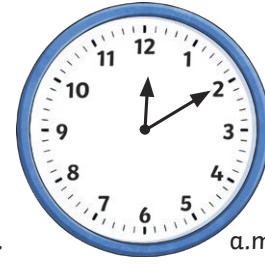
p.m.

03:30

a.m.

24:10

2)

Earliest

p.m

07:40

a.m.
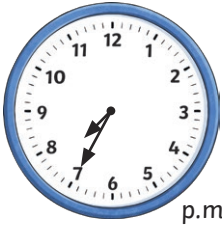
13:25

Latest

00:05

I have ordered these times from earliest to latest.
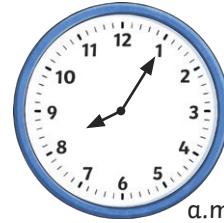
Do you agree that Pasha has ordered the times correctly? Correct and explain any mistakes he may have made.

3) On this clock, the hour hand is hidden. Robert and Aliyah are thinking of times the clock could be showing. Explain which person you agree with and why.
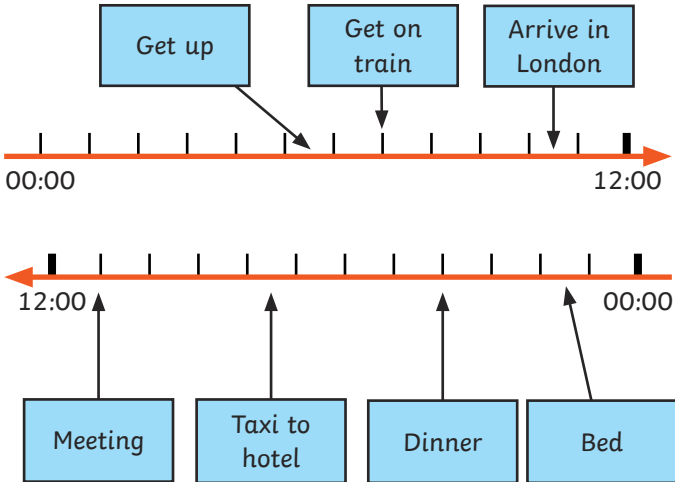
I think the clock could be showing 19:25.

I think that the time on this clock could be 17:25.

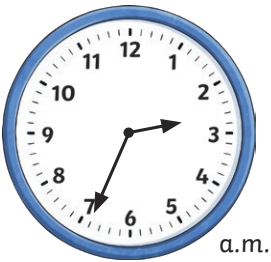**1)** Owen uses this timeline to record his Dad's work trip to London.

Write the times for each event using the 24-hour digital clock.

| Get up | Get on train | Arrive in London |

00:00   12:00

12:00   00:00

| Meeting | Taxi to hotel | Dinner | Bed |

2) Answer the following questions about Dad's day. Where required, write your answers in 24-hour digital time.

    a) Dad had a shower 45 minutes before dinner. What time did he start his shower?

    b) Dad had another meeting an hour and 15 minutes after his first meeting. What time did his 2nd meeting start?

    c) How long did Dad's train to London take?

    d) How many hours passed between Dad getting up and going to bed?

3) Look carefully at both 24-hour digital times shown by these clocks. Do you notice anything special about the times?

 a.m.   a.m.
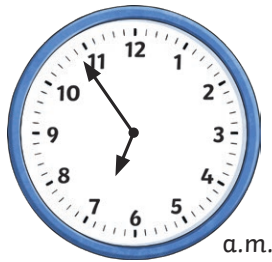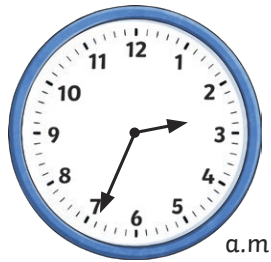
02:34   **06:54**

If you remove the first zero on the 24-hour clock times of each clock, the other numbers are consecutive numbers:

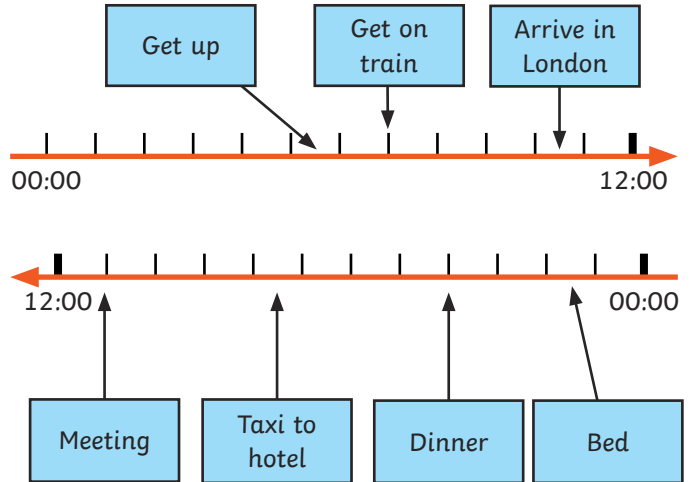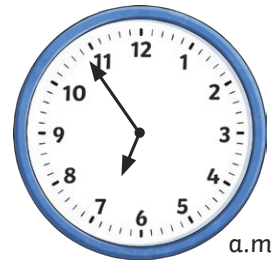**02:34** = 2, 3, 4   **06:54** = 6, 5, 4

These consecutive numbers run forwards like 2, 3, 4 and also backwards like 6, 5, 4.

Investigate how many times this will occur between the hours of 00:00 and 05:00.

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