

Analogue to Digital – 12 Hour

1a. Carter arrives at the zoo at the time shown on the analogue clock. He thinks he's on time to watch the sealion show.



Event	Start Time
Petting zoo	10:45am
Lion feeding	11:10am
Sealion show	11:30am

Is he correct? Explain why.



PS

Analogue to Digital – 12 Hour

1b. Maya arrives at the circus at the time shown on the analogue clock. She thinks she's on time to see the acrobats.



Performers	Start Time
Clowns	05:50pm
Acrobats	06:05pm
Trapeze	06:30pm

Is she correct? Explain why.



PS

2a. Which is the earliest and latest time?



05:10am



05:05am

10:40pm



10:35pm



am



PS

2b. Which is the earliest and latest time?

03:05am

pm



09:04pm

am



02:55am



09:35pm

am



PS

3a. These clocks both show the same time. What could the missing minute hand and hour be?



:25



R

3b. These clocks both show the same time. What could the missing hour hand and minutes be?



04:



R

Analogue to Digital – 12 Hour

4a. Ryan arrives at the cinema at the time shown on the analogue clock. He thinks he's on time to watch Space Wars.



Film	Start Time
Captain Britain	11:30am
Space Wars	11:46am
Spider Boy	12:07pm

Is he correct? Explain why.



PS

Analogue to Digital – 12 Hour

4b. Martha arrives at the Leisure Centre at the time shown on the analogue clock. She thinks she's on time for yoga.



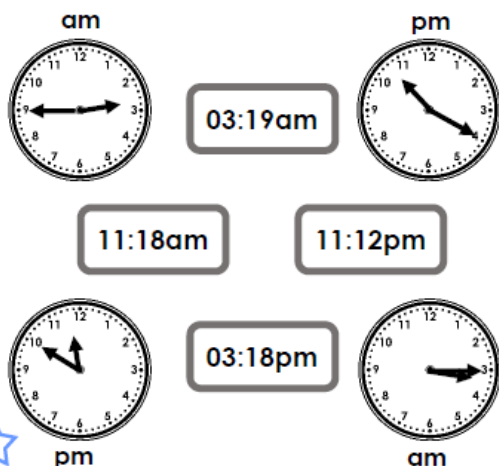
Activity	Start Time
Gymnastics	04:17pm
Trampolining	04:12pm
Yoga	04:22pm

Is she correct? Explain why.



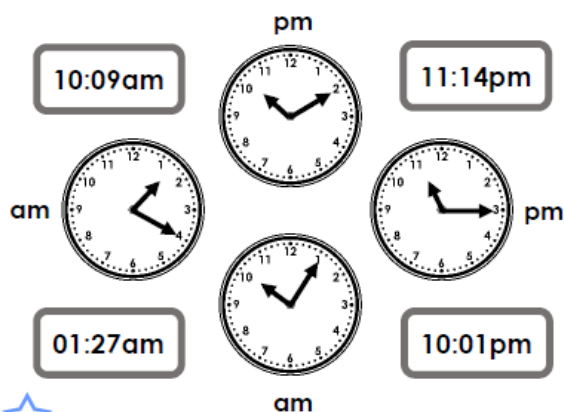
PS

5a. Which is the earliest and latest time?



PS

5b. Which is the earliest and latest time?



PS

6a. These clocks both show the same time. What could the missing minute hand and hour be?



:27



R

6b. These clocks both show the same time. What could the missing hour hand and minutes be?



11:



R

Analogue to Digital – 12 Hour

7a. Louis arrives at the theatre at the time shown on the analogue clock. He thinks he's on time to watch the play.



Act	Start Time
Warm-up act	07:12pm
Play	07:28pm
Interval	08:47pm

Is he correct? Explain why.



PS

Analogue to Digital – 12 Hour

7b. Lin arrives at the horse show at the time shown on the analogue clock. She thinks she's on time to watch eventing.



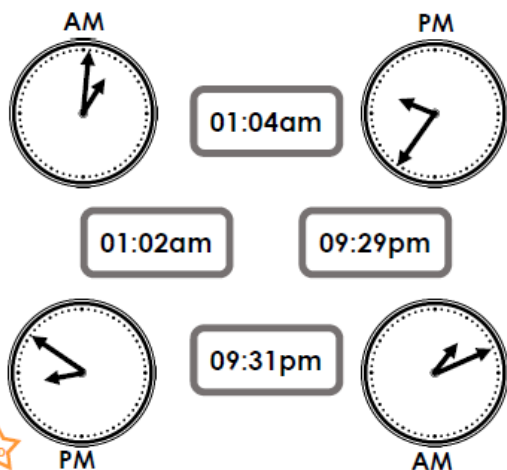
Activity	Start Time
Dressage	09:38am
Show jumping	12:22pm
Eventing	03:46pm

Is she correct? Explain why.



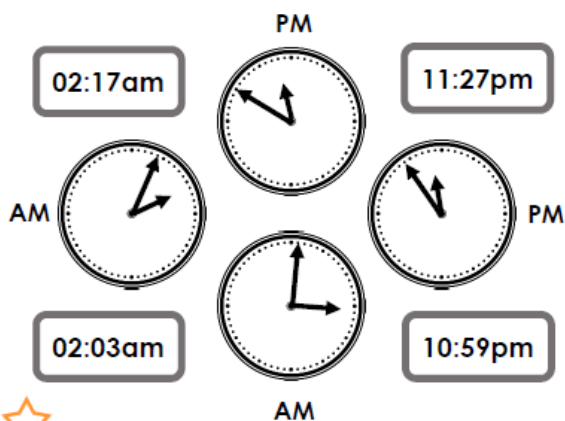
PS

8a. Which is the earliest and latest time?



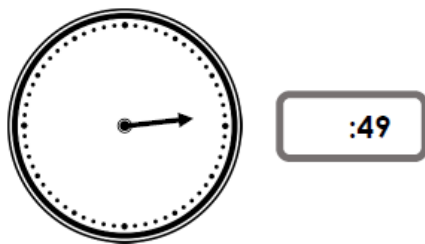
PS

8b. Which is the earliest and latest time?



PS

9a. These clocks both show the same time. What could the missing minute hand and hour be?



R

9b. These clocks both show the same time. What could the missing hour hand and minutes be?



R

Reasoning and Problem Solving
Analogue to Digital – 12 Hour

Developing

1a. Carter is on time to watch the sealion show, as he is 5 minutes early.

2a. 05:05am is the earliest time. 10:45pm is the latest time.

3a.



Expected

4a. Ryan is not on time to watch Space Wars as he is 4 minutes late.

5a. 02:45am is the earliest time. 11:50pm is the latest time.

6a.

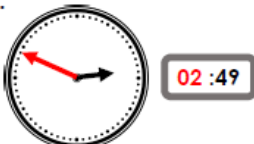


Greater Depth

7a. Louis is not in time for the play as he is 5 minutes late.

8a. 01:01am is the earliest time. 09:36pm is the latest time.

9a.



Reasoning and Problem Solving
Analogue to Digital – 12 Hour

Developing

1b. Maya is not on time for the acrobats as she is 10 minutes late.

2b. 02:55am is the earliest time. 09:55pm is the latest time.

3b.



Expected

4b. Martha is on time for yoga as she is 3 minutes early.

5b. 01:20am is the earliest time. 11:15pm is the latest time.

6b.



Greater Depth

7b. Lin is on time for the eventing as she is 12 minutes early.

8b. 02:03am is the earliest time. 11:54pm is the latest time.

9b.

