

# Varied Fluency

## 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](#)

Mathematics Year 4: (4M4c) [Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days](#)

### Differentiation:

**Developing** Questions to support using analogue to digital time (24 hour). Using 15 minute intervals, with fewer options to choose from.

**Expected** Questions to support using analogue to digital time (24 hour). Using 5 minute intervals, with more options to choose from.

**Greater Depth** Questions to support using analogue to digital time (24 hour). Using 1 minute intervals, with even more options to choose from.

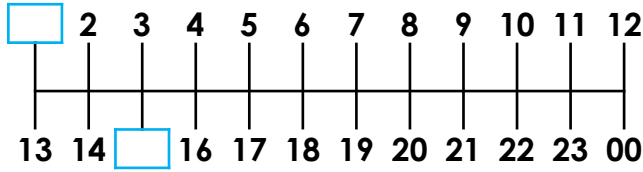
### More [Year 4 Time](#) Resources.

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## Analogue to Digital – 24 Hour

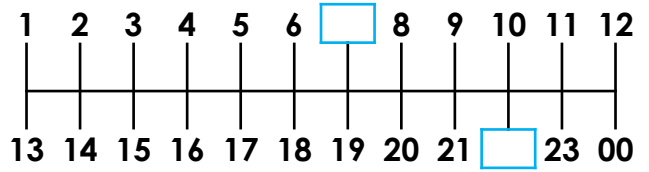
## Analogue to Digital – 24 Hour

1a. Fill in the gaps on this 24-hour number line.



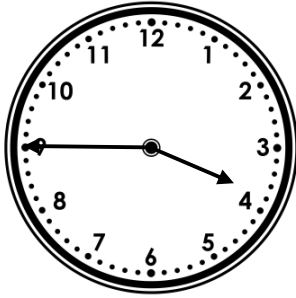
VF

1b. Fill in the gaps on this 24-hour number line.



VF

2a. Which 24-hour time matches the time on the analogue clock?



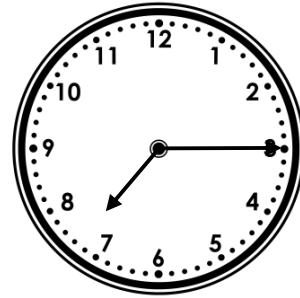
09:15

15:45



VF

2b. Which 24-hour time matches the time on the analogue clock?



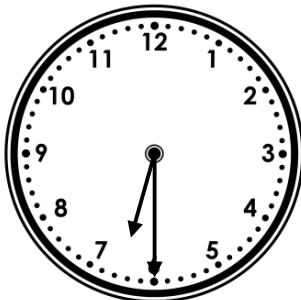
19:15

03:30



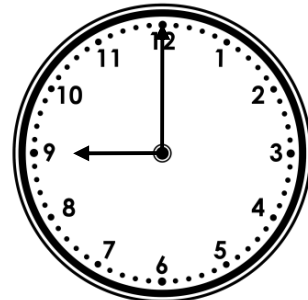
VF

3a. If a clock shows this time, the time could be 18:30; true or false?



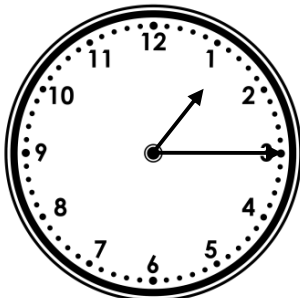
VF

3b. If a clock shows this time, the time could be 19:00; true or false?



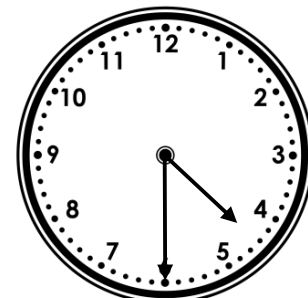
VF

4a. Look at this clock. Write the 24-hour time it would match in the morning and the evening.



VF

4b. Look at this clock. Write the 24-hour time it would match in the morning and the evening.

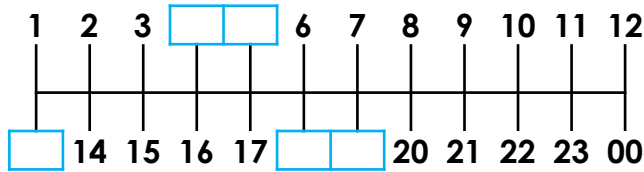


VF

## Analogue to Digital – 24 Hour

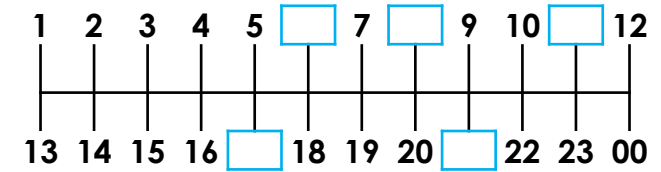
## Analogue to Digital – 24 Hour

5a. Fill in the gaps on this 24-hour number line.



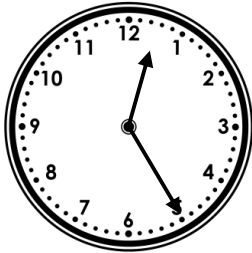
VF

5b. Fill in the gaps on this 24-hour number line.



VF

6a. Which 24-hour time matches the time on the analogue clock?



13:25

01:05

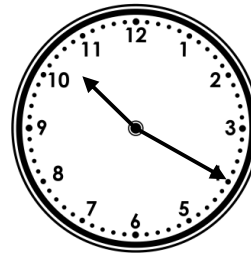
00:25

15:05



VF

6b. Which 24-hour time matches the time on the analogue clock?



10:40

22:20

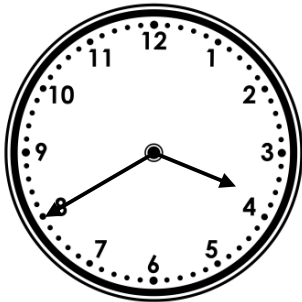
20:20

20:40



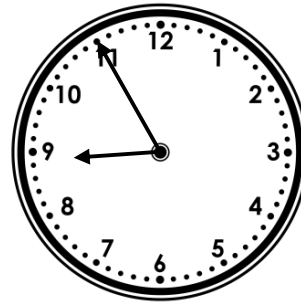
VF

7a. If a clock shows this time, the time could be 14:40; true or false?



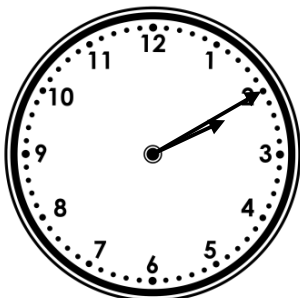
VF

7b. If a clock shows this time, the time could be 20:55; true or false?



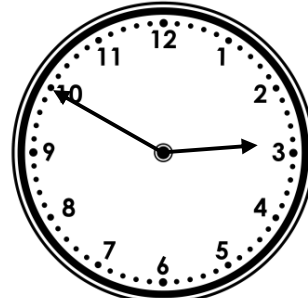
VF

8a. Look at this clock. Write the 24-hour time it would match in the morning and the evening.



VF

8b. Look at this clock. Write the 24-hour time it would match in the morning and the evening.

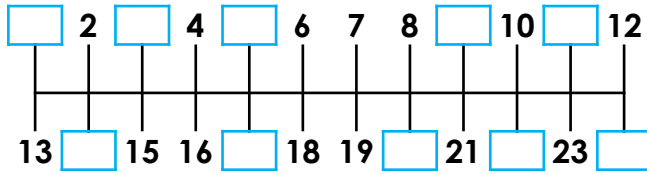


VF

## Analogue to Digital – 24 Hour

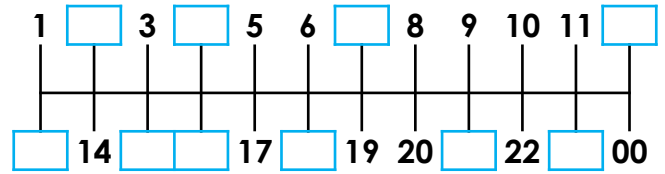
## Analogue to Digital – 24 Hour

9a. Fill in the gaps on this 24-hour number line.



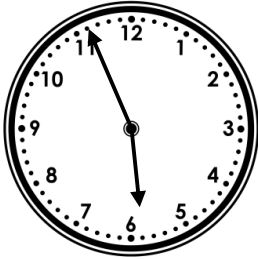
VF

9b. Fill in the gaps on this 24-hour number line.



VF

10a. Which 24-hour time matches the time on the analogue clock?



18:56

11:05

17:56

23:12

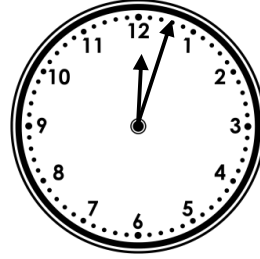
15:25

17:11



VF

10b. Which 24-hour time matches the time on the analogue clock?



01:12

11:04

13:12

00:03

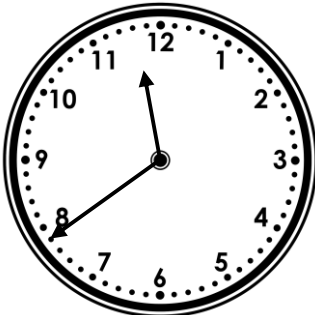
12:05

15:03



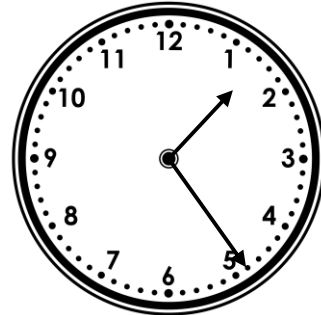
VF

11a. If a clock shows this time, the time could be 23:40; true or false?



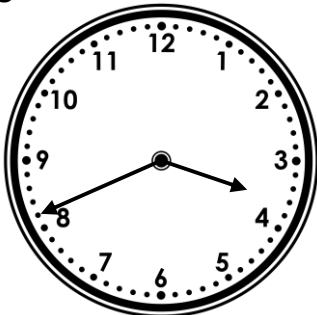
VF

11b. If a clock shows this time, the time could be 13:24; true or false?



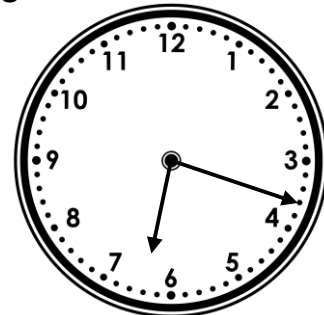
VF

12a. Look at this clock. Write the 24-hour time it would match in the morning and the evening.



VF

12b. Look at this clock. Write the 24-hour time it would match in the morning and the evening.

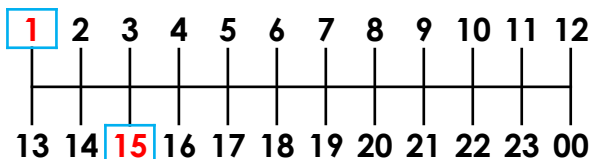


VF

## Varied Fluency Analogue to Digital – 24 Hour

### Developing

1a.



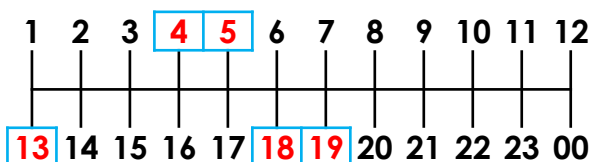
2a. **15:45**

3a. **True**

4a. **01:15, 13:15**

### Expected

5a.



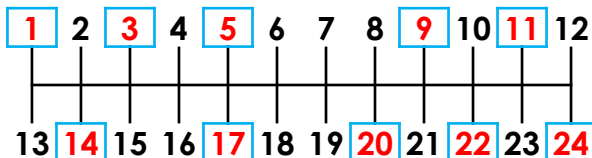
6a. **00:25**

7a. **False**

8a. **02:10, 14:10**

### Greater Depth

9a.



10a. **17:56**

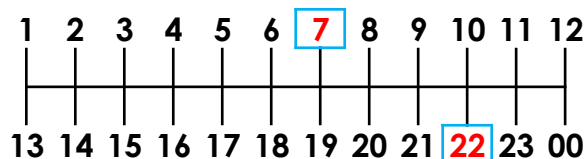
11a. **False**

12a. **03:41, 15:41**

## Varied Fluency Analogue to Digital – 24 Hour

### Developing

1b.



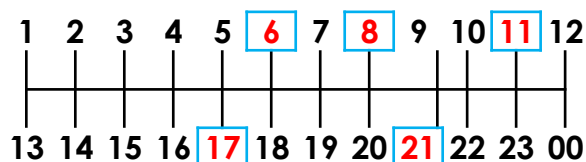
2b. **19:15**

3b. **False**

4b. **04:30, 16:30**

### Expected

5b.



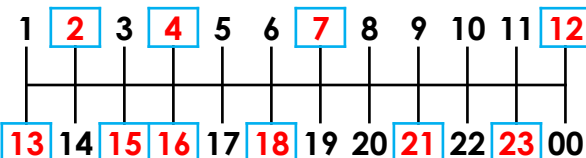
6b. **22:20**

7b. **True**

8b. **02:50, 14:50**

### Greater Depth

9b.



10b. **00:03**

11b. **True**

12b. **06:18, 18:18**