

# Discussion Problems

## Step 1: O'clock and Half Past

### National Curriculum Objectives:

Mathematics Year 2: (2M4a) [Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times](#)

Mathematics Year 2: (2M4b) [Compare and sequence intervals of time](#)

### About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

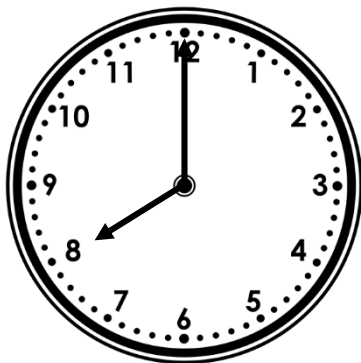
We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 2 Time](#) resources.

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

# O'clock and Half Past

1. Use the rule to complete the table.



**Rule: The minute hand moves clockwise half a turn.**

| Starting time | Time after 3 half turns | Time after 6 half turns | Time after 9 half turns | Time after 12 half turns | Time after 15 half turns |
|---------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
|               |                         |                         |                         |                          |                          |

Is there a pattern? Explain.

DP

2. Miss Cook is making some loop cards about telling the time. Help Miss Cook by adding the missing hands or time written in words on the loop cards.

11 o'clock

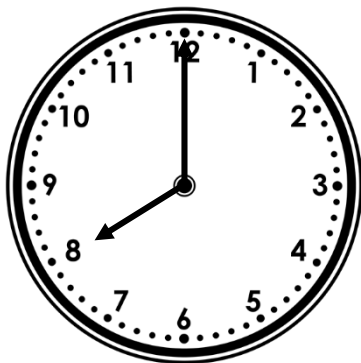
7 o'clock

Half past 12

DP

# O'clock and Half Past

1. Use the rule to complete the table.



**Rule: The minute hand moves clockwise half a turn.**

| Starting time | Time after 3 half turns | Time after 6 half turns | Time after 9 half turns | Time after 12 half turns | Time after 15 half turns |
|---------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
| 8 o'clock     | Half past 9             | 11 o'clock              | Half past 12            | 2 o'clock                | Half past 3              |

Is there a pattern? Explain.

Various patterns including; after every 6 turns the time is always o'clock.

DP

2. Miss Cook is making some loop cards about telling the time. Help Miss Cook by adding the missing hands or time written in words on the loop cards.

Half past 3

Half past 9

o'clock 7

11 o'clock

Half past 12

Half past 5

o'clock 11

DP