Worked answers | Time

Converting twelve- and twenty-four-hour time

6 questions | 7 marks

Equivalent correct methods earn the corresponding marks.

1. Convert 7:09 am to 24-hour time. [1 mark]

Keep morning hour 7; write it with two digits.

Answer: 07:09

2. Convert 2:36 pm to 24-hour time. [1 mark]

$2 + 12 = 14$; keep 36 minutes.

Answer: 14:36

3. Convert 12:05 pm to 24-hour time. [1 mark]

The hour after noon stays 12.

Answer: 12:05

4. Convert 12:05 am to 24-hour time. [1 mark]

The hour after midnight is 00.

Answer: 00:05

5. Convert 23:50 to 12-hour time. [1 mark]

$23 - 12 = 11$; this is before midnight, so pm.

Answer: 11:50 pm

6. Mia writes 6:15 pm as 06:15. Correct the time and explain the error. [2 marks]

$6 + 12 = 18$ for an evening hour.

Answer: 18:15; 06:15 means 6:15 am.