

12-hour and 24-hour time calculations

MODULE 6 · TIME AND MONEY MEASURES

24-hour time runs 00:00 to 23:59 with no am/pm. After noon, add 12 to the 12-hour time to get the 24-hour time.

- 2:30 pm = **14:30**; 9:15 am = **09:15**.
- 20:45 = **8:45 pm**.



3:45 pm = 15:45

WRITE 3:45 PM AND 7:20 AM IN 24-HOUR TIME

- 1 After noon, **add 12** to the hour: $3 + 12 = 15$ → **15:45**.
- 2 Before noon stays the same, with a leading zero → **07:20**.

HOW TO ANSWER TODAY

- **12-hour** ↔ **24-hour**. 24-hour uses 00–23, no am/pm. For pm times, add 12 to the hour.
 3:30 pm → 15:30 · 08:15 → 8:15 am

MATCH-UP

Match each 12-hour time to its 24-hour form.

- a. 2:30 pm
- b. 9:15 am
- c. 8:45 pm
- d. midnight
- e. 11:50 pm

- 1. 09:15
- 2. 14:30
- 3. 00:00
- 4. 23:50
- 5. 20:45

PRACTICE

1



Oisín finishes his Saturday spin along the Waterford Greenway cycle path. His bike computer shows the finish time as **15:35**. What is this time in **12**-hour clock format?

2



Aoife's Aer Lingus flight from Dublin to Madrid for the 5th class school exchange is listed on the boarding pass as departing at **20:55**. Write this departure time in **12**-hour clock form.