

Time and money problem-solving review

MODULE 6 · TIME AND MONEY

MEASURES

HOW TO ANSWER TODAY

- **Time arithmetic.** Add or subtract minutes first; if you go past 60, carry an hour.
 $10:15 + 2 \text{ h } 30 \text{ min} \rightarrow 12:45$
- **Sale price.** Find the discount (percent of price). Subtract from the original price.
 $\text{€}60, 20\% \text{ off} \rightarrow 20\% \text{ of } \text{€}60 = \text{€}12 \rightarrow \text{€}60 - \text{€}12 = \text{€}48$
- **12-hour ↔ 24-hour.** 24-hour uses 00–23, no am/pm. For pm times, add 12 to the hour.
 $3:30 \text{ pm} \rightarrow 15:30 \cdot 08:15 \rightarrow 8:15 \text{ am}$

★ STRETCH PROBLEMS

1



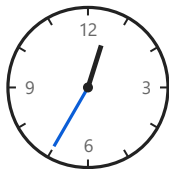
Cian is reading a clock puzzle in his mental maths book. The puzzle shows a finish time of **04:35** and asks him to count back **4 hours** and **52 minutes**. What time does he get?

2

Niamh spots a winter jacket priced at **€366.99** in the window of Dunnes Stores on the way home from school. A sign says everything is **15%** off this weekend. What is the sale price of the jacket?

A jacket costs €366.99 before a 15% discount. What is the sale price?

3



The 5th class exchange group are flying with Aer Lingus from Dublin to Madrid. The departures board shows the flight leaving at **12:35** in **24**-hour time. What time is that in **12**-hour time?

4



Niamh's cousins arrive at the house at **18:15** on Christmas Eve to start the long wait for midnight Mass and Christmas Day dinner. The countdown clock on the wall is set for **5 hours** and **36 minutes** from then. What time will the countdown clock reach zero?

5



5th class run a Christmas hamper raffle over two weeks. In the first week they take in **€716.77** and in the second week they take in **€480.12**. How much money have they raised in total?