

Time and money problem-solving review

WHAT THIS LESSON TEACHES

Solve chained clues where a time answer leads to a money calculation using Irish train routes and ticket prices.

- Train leaves at 15:40 and takes 1 hour 50 minutes.
- €18 ticket with 20 percent off if before 12:00.

MODEL THIS ON THE BOARD

CHAINED CLUE SOLUTION

- 1 Add the journey time to the departure to find arrival.
- 2 Check if arrival is before the cutoff time for discount.
- 3 Calculate the discounted price and any change.

DISCUSSION STARTER

REFLECT Which do you find easier to keep track of — time or money? Why?

ANSWER KEY

a) 18:40

b) €3.60

c) €5.60

Q1: 17:30

Q2: Yes

Q3: €17.60

Q4: €5.60

a) **Always** — The cutoff time decides the price so arrival must be found first.

b) **Always** — 20 percent of 18 is always 3.60 so 18 minus 3.60 is always 14.40.

c) **Sometimes** — It depends on whether the discount was applied or not.

d) **Sometimes** — Some chains may start with a money clue instead.

EXTENSION SHEET · STRETCH ANSWERS

S1: €4.8 (write both as cent: 460 cent vs 480 cent)

S2: €1.6 (write both as cent: 160 cent vs 138 cent)

S3: €1.75 (write both as cent: 130 cent vs 175 cent)

S4: €4.90 (€4.09 = 409 cent; €4.90 = 490 cent)

S5: €3.80 (€3.80 = 380 cent; €3.08 = 308 cent)