

Plan our class trip: Glendalough or Newgrange?

CURRICULUM ALIGNMENT

ME.A.MON.4

solve and pose practical tasks to investigate and make informed judgements about transactions and financial plans.

ME.A.TIM.4

solve and pose practical tasks and problems involving the interpretation and calculation of time.

NUM.OPS.4

build upon, select and make use of a range of operation strategies.

INTERACTIVES

Comparison Cards · display

Class Budget · challenge, explore

WHAT THIS LESSON TEACHES

A fixed cost like hiring one bus stays the same no matter how many pupils go. Divide that cost by the number of pupils to find each share, then add the per-pupil costs to stay under the budget.

→ A €280 bus for 28 pupils gives a €10 share each.

→ Bus €10 + entry €7 + lunch €5 = €22 per pupil for Glendalough.

MODEL THIS ON THE BOARD

GLENDALOUGH PER-PUPIL COST

- 1 Bus hire is a fixed €280 for 28 pupils from the class.
- 2 Each share is $280 \div 28 = 10$ euro.
- 3 Add the per-pupil entry of 7 euro and lunch of 5 euro.
- 4 Running total $10 + 7 + 5 = 22$ euro, which is under the €175 budget.

ANSWER KEY

a) €15

b) €25

c) €150

Q1: €21

Q2: €24

Q3: €9

Q4: €153

a) **Always** : Fixed costs do not change with the number of pupils.

b) **Always** : Dividing the same total by a larger number gives a smaller result.

c) **Never** : Each extra pupil adds €5, so the total grows with the number going.

d) **Never** : The bus share is found by dividing the fixed bus cost by the number of pupils.