

Plan a school trip

CURRICULUM ALIGNMENT

MEA.MON.4

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

MEA.TIM.4

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

NUM.FRC.4b

investigate proportionality and ratios of quantities (sets).

INTERACTIVES

Class Budget · challenge, display, explore

WHAT THIS LESSON TEACHES

When you plan a school trip you have one fixed total of money. Every cost must fit inside that cap so the bus, tour and lunch never push you over budget.

→ An €800 cap holds a €280 bus, a €196 tour and a €320 lunch because $280 + 196 + 320 = 796$, which is under 800.

→ A €280 bus shared by 28 pupils costs €10 each; the same bus shared by more pupils costs each one less.

MODEL THIS ON THE BOARD

FIT THREE COSTS UNDER €800

- 1 Start with the fixed cap of **€800** for the class trip.
- 2 Take away the bus cost: $800 - 280 = 520$.
- 3 Take away the tour cost: $520 - 196 = 324$.
- 4 Lunch and any extras must fit inside the **€324** that is left.

ANSWER KEY

a) €280

b) €196

c) €616 (under €800)

Q1: €376

Q2: €8

Q3: €12

Q4: €270

Q5: €860

a) **Always** : 796 is less than 800 so the whole plan stays under the fixed total.

b) **Always** : The same total split among more pupils gives a smaller share each.

c) **Sometimes** : True for €100, €200 and €300; false for three costs of €300, which make €900.

d) **Always** : A total that lands exactly on the cap uses the whole budget.