

Modelling and explaining:

Sharing petrol costs

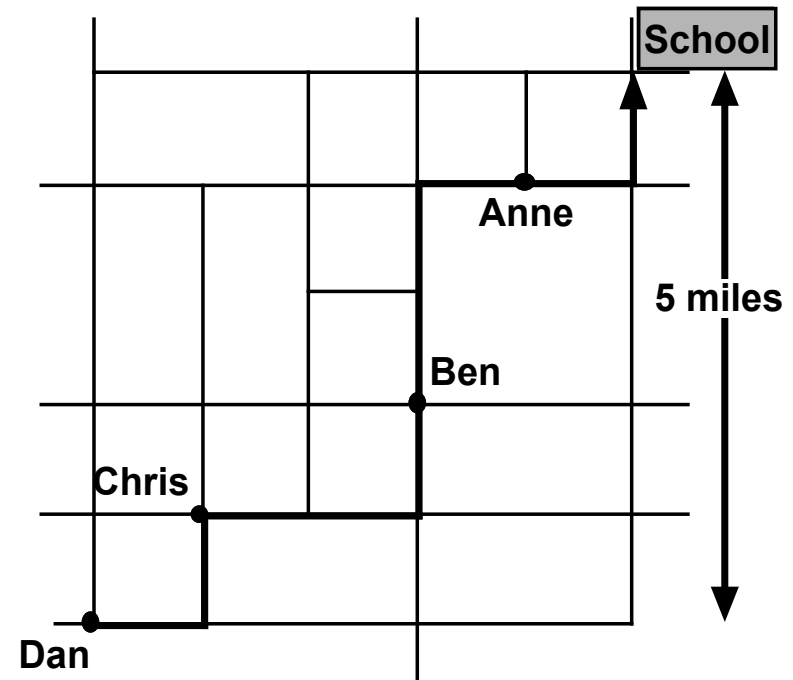
Each day Dan's mum drives him to school.

On the way, she picks up 3 of Dan's friends, Chris, Ben and Anne.

Each afternoon, she returns by the same route and drops them off at their homes.

At the end of a term, the four students decide to pay a sum of £100 towards the cost of petrol.

How should they share out the cost?
Find some reasonable solutions and say which you think is best and why.



This map shows where each person lives and the route taken.