



Aberdare Community School
Mathematics Department

WJEC GCSE
Foundation – Non Calculator
Number

Utility bills

Name:

Set:

Date:

Teacher:

15. *You will be assessed on the quality of your written communication in this question.*

Pedro has just moved to live on an island in Europe.
There is a choice of two different water companies.

Manana Water

No Standing Charge

Pay €0.06 per m³ of water used

Channel Water

Standing Charge: €30 every 3 months

+

€0.02 per m³ of water used

Special offer: 20% off your **first** bill

Pedro estimates that he uses 700 m³ of water every three months.

He wants to spend as little as possible on water.

Which company should Pedro buy his water from?

You must justify your answer by showing all possible costs.

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6. The electricity meter readings at the beginning and at the end of a 3-month period were:

Reading at the end of the period

6	5	1	9	7
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Reading at the beginning of the period

6	4	9	4	7
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The cost of the electricity used was 30p per unit and there was a standing charge of £25.34 for the 3-month period.

Complete the following table to find the total cost.

Reading at the end of the period	
Reading at the beginning of the period	
Number of units used	
Cost of the units, in £	
Standing charge for the 3 months	
Total cost	

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