

## Functional Skills Maths | Entry Level Cost of Living (Scaffolded Questions)

1. You have taken two electricity meter readings. One in April and one in May

This is April's reading (kWh).

02552

This is May's reading (kWh).

02632

You know the price of electricity is 50p per kWh.

You know the monthly standing charge is £25.

Work out how much you will pay for May's electricity.

- a. What is the difference between May's and April's meter readings?

- b. How much will the electricity cost for May? Give your answer in £ and p.

- c. What will the overall bill be for May?

2. Sandra wishes to reduce her mobile phone bill.

Currently she pays £24 per month.

She sees this offer.

1 year contract  
monthly cost £11  
mobile phone cost £35

Work out how much money the new mobile phone will save her over a year.

a. How much will Sandra's current phone cost for a year?

b. How much will the total monthly costs be on the new phone?

c. How much will the total bill be on the new phone?

d. How much money will Sandra save?

3. Ian sees two brands of ketchup in his local supermarket.

Brand A costs £2.50 and weighs 500 g.

Brand B costs £4.00 and weighs 1 kg.

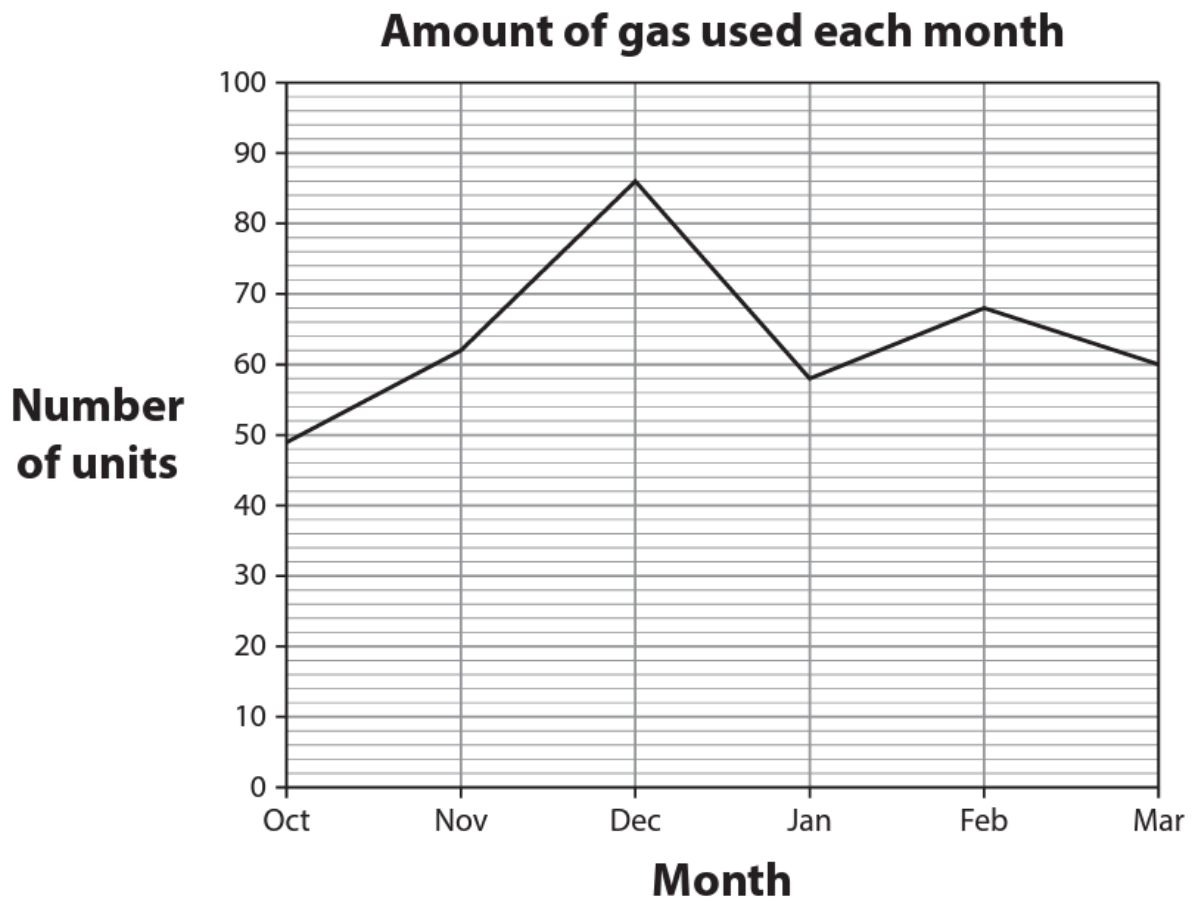
Work out which bottle offers the best value for money.

- a. How many grams in a kilogram?

- b. Work out how much 1 kg of Brand A would cost.

- c. Ian wants to buy the brand that offers the best value for money. Which brand is this? Say why you think this.

4. Riya sees this gas bill.



Riya says the total amount of gas used in November and December was more than 150 units.

Work out if Riya is correct.

- a. How many units of gas were used in November?

b. How many units of gas were used in December?

c. What are the total units of gas used in November and December?

d. Is Riya correct? Show why you think this.

5. Douglas is having lunch with friends.

He sees the following offer.



Sandwich £2.50  
Crisps 95p  
Drink £1.50  
**Meal Deal**  
All three for £4.50

Work out how much Douglas will save by having the meal deal.

- a. How much does a sandwich, crisps, and a drink cost in total?

- b. What is the difference between the total cost and the meal deal?

6. Indira has been checking out prices to buy cleaning products.

She completed the following table.

	<b>Supermarket A</b>	<b>Supermarket B</b>
Toilet Cleaner	85p	£1.35
Washing Up Liquid	£1.15	95p
Washing Powder	£9.40	£9.90
Cleaning Spray	£1	£1
Fabric Softener	£2.25	£2.50

She wants to work out which supermarket would be the cheapest for her to use.

a. What is the total cost of the products in Supermarket A?

b. What is the total cost of the products in Supermarket B?

c. What is the difference in the prices of the two supermarkets?

d. Which supermarket would be the cheapest for Indira to use? Say why you think this.

7. Indira has been checking out prices to buy cleaning products.

She completed the following table.

	<b>Supermarket A</b>	<b>Supermarket B</b>
Toilet Cleaner	85p	£1.35
Washing Up Liquid	£1.15	95p
Washing Powder	£9.40	£9.90
Cleaning Spray	£1	£1
Fabric Softener	£2.25	£2.50

She wants to work out how much she would save if she bought the cheapest version of all the products from either supermarket.

- a. What is the difference in prices for the toilet cleaner?

- b. What is the difference in prices for the washing up liquid?

- c. What is the difference in prices for the washing powder?

- d. What is the difference in prices for the cleaning spray?



e. What is the difference in prices for the fabric softener?

f. How much money would Indira save?