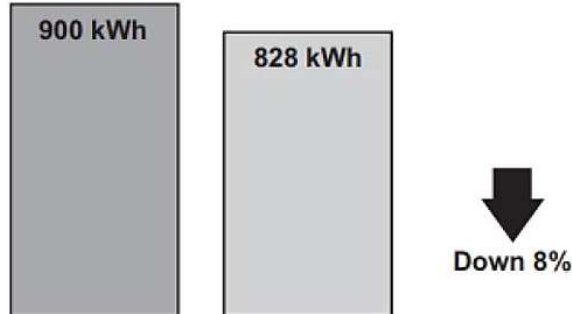


Intermediate Numeracy Nov 2018 P2 Q4c

- (c) Maggie looks at the back of her electricity bill. It shows how much energy she used last period and this period. This is the display she sees.



Is this decrease of 8% correct for the reduction in kWh?  
You must show all your working to support your answer.

[2]

Yes  No  Can't tell

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Intermediate Numeracy Sam 1 P2 Q5a

- (a) You will be assessed on the quality of your organisation, communication and accuracy in writing in this part of the question.



Gemma bought a tablet last year for £240.  
She sold it to a friend after a year for 35% less than she paid for it.

She sees a new tablet on sale for £365 with a special offer of '20% off'.  
Gemma decides to use the money she has from selling her old tablet towards buying this new one.

How much extra will Gemma have to pay towards the new tablet using the special offer?

You must show all your working

[8]

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Intermediate Numeracy Nov 2016 P1 Q9a

- (a)



Lotty and Rafael decide to enter a prize draw.  
They agree to share any money they win in the ratio 2 : 3 respectively.  
After winning a total of £2000, they think again and decide that Lotty's share should be increased by 30%.

- (i) Rafael thinks that his share will be reduced by 30%.  
Without any calculation, explain why Rafael's thinking is incorrect. [1]
- (ii) Calculate the amount of money Lotty wins after the decision is made to increase her share. [4]
- (iii) Find the ratio that is now used to share the money between Lotty and Rafael.  
Express your answer in its simplest form. [3]

Lotty's winnings : Rafael's winnings = ..... : .....

Intermediate Numeracy Nov 2016 P1 Q9b

- (b) In another prize draw, it was planned to give £5000 as the first prize.  
To make it more popular, the organisers decide to increase this first prize by 26%.

The most efficient method of calculating the amount of the increased first prize is

$$1.26 \times 5000.$$

The second prize was planned to be £3000, but it is now decided to decrease this prize by 6%.

Write down the most efficient method of calculating the amount of the decreased second prize.

You are not expected to work out the answer. [1]

Intermediate Maths Nov 2018 P2 Q10b

- (b) Calculate the percentage change when 42.5 is increased to 45.9. [3]

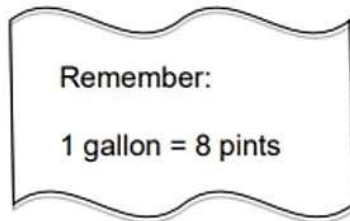
Intermediate Numeracy Summer 2018 P1 Q11b

- (b) Kingsley buys a portable *Bluetooth* speaker.  
The speaker has been reduced by 20% in a sale.  
He pays £72 for the speaker in the sale.  
What was the original price of the speaker? [2]

Intermediate Numeracy Nov 2018 P1 Q12b

- (b) Gerallt used his 20% off voucher to buy tickets.  
He paid £120 for tickets using the voucher.  
How much would these tickets have cost Gerallt without a voucher? [2]

## Intermediate Numeracy Sam 1 P2 Q12



Lowri owns an old van.

It has an average fuel consumption of 7 km per litre.

Calculate an estimate for this fuel consumption in miles per gallon.

[5]

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Intermediate Numeracy Summer 2017 P2

Q13b

- (b) The television was reduced in the sale by 26% of its original price.  
It cost Marta £710.40 in the sale.  
What was the original price of the television?

[2]

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Intermediate Maths Sample 1 P1 Q13b

- (b) A price of £63 includes VAT at a rate of 5%.  
What was the price before VAT was added?

[2]

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Intermediate Maths Summer 2019 P2 Q17

When a number is reduced by 15%, the answer is 6154.  
What is the original number?

[3]

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