Non-calculator Questions

Edexcel

1.

Zane needs to travel from Sheffield to London on Saturday.

The table shows the cost for the different types of transport.

type of transport	cost (£)
train first class	47.25
train standard class	34.00
bus	6.30
car	26.52

Zane buys a standard class train ticket.
He uses a 15% discount voucher.

How much money does he save with this voucher?

(2)

£

NCFE

2.

Linda looks at the cost of placing 6 half-page adverts in a local newspaper:

Advert size	Cost	
	3 Adverts	6 Adverts
Full Page	£330	£600
Half Page	£240	£450
Quarter Page	£150	£270

Linda sees these offers:

- **Offer A:** place 3 adverts and get 10% off the cost.

- **Offer B:** place 6 adverts and get $\frac{1}{5}$ off the cost.

She chooses **Offer B**.

How much will she save by choosing **Offer B** instead of **Offer A**?

[4 marks]

Your answer: **£**

City & Guilds

3.

A customer wants to buy a coat in the sale in a clothes shop. He has £30.

£45

SALE
All coats
Reduced to **70%**
of the ticket price

Can the customer afford to buy the coat?

Yes or No _____

Show how you got your answer.

(2 marks)

Highfield

4.

Two shops are offering discounts:

Pop Shop

30 % OFF

Minimum spend £70

Townsman

25 % OFF

Minimum spend £80

If you spent the minimum amount, would you make a bigger saving at Pop Shop or Townsman?

Show your working out and write the answer in the box below.   *(2 marks)*

Answer: _____

5.

You want to start making bread.

You have found a machine that is on special offer.

MAXI BREAD MAKER
List price: £189.00
Special Offer 15% discount
off list price

How much will the bread maker cost after the discount?

Show your working out and write the answer in the box below.   *(3 marks)*

Answer: £_____

Calculator Questions

Edexcel

1.

Nicola wants to buy 30 litres of white paint.

She sees this special offer.

White paint
10 litre tin
usual price £38
15% discount

Nicola uses this special offer.
She has a budget of £100 for the paint.

Does Nicola have enough money to buy 30 litres of white paint?

(4)

2.

Gareth is changing his gas supplier to GES Energy.

He has this information.

> **GES Energy**
>
> annual fee £231.65
> plus
> 4.71 pence for each kWh used
>
> get 5% off the total charge if you pay by direct debit

Last year Gareth used 42 000 kWh of gas.

Gareth thinks he will use the same amount of gas this year.
He will pay by direct debit.

Work out the total gas bill Gareth will pay using GES Energy.

(5)

£

NCFE

3.

Hamid needs to book transport.

A small minibus will cost £45

He has a voucher for 5% off.

How much will the minibus cost Hamid?

[2 marks]

Your answer: | £

4.

Sadie sees these hen houses.

The Majestic

£605

30% discount

The Classic

£636

$\frac{1}{3}$ discount

Which hen house will be cheaper after the discount?

Show how you decide.

[4 marks]

Your answer:

5.

The return train fare from Nottingham to Harwich is £158.80

Asha has a student railcard which gives her 30% off.

How much will Asha pay for her return ticket?

[2 marks]

Your answer: £

6.

Simon goes to the airport shop.

He sees these two offers for sunglasses:

Offer 1   Was £40
Now 15% off

Offer 2   Was £25
Now 25% off

Which offer saves him the most money?

Show how you decide.

[2 marks]

Your answer:

City & Guilds

7.

A **father and his child** want to take self-defence lessons at a karate club for a year.

The club offers lessons for members and non-members.

The club holds one lesson per week.

Everyone who comes to lessons must buy a uniform and take out insurance for the year.

The father and child can only go to half of the lessons for the year.

Karate Club pricelist

- Membership Adult: £20 per month
- Child: £16 per month
- Non-members £8.50 per lesson **(all ages)**
- Insurance £15 per year
- Uniform £95 **(20% discount for members)**

He needs to decide whether to take lessons as members or non-members.

What should he decide to do? Explain your answer using figures.

Show your working

Decision (tick one box)

Member ☐   Non-member ☐

Explanation

(6 marks)

8.

A woman receives an offer to join the Pet Club at her Vets.

Join the Pet Club!

For just £19.99 a month, we can offer the following exclusive benefits to help keep your pet happy and healthy:
- FREE Annual Injection
- FREE Flea & Worm Treatment
- 50% off Health Check

She needs to pay the following costs for her dog
- £60 for the annual injection
- £42 for flea & worm treatment every three months
- £36 for a health check every six months

Should she join the Pet Club?
Explain your answer. Include figures to support your explanation.

Show your working.

Should she join the Pet Club?

(tick one box) **Yes** ☐ **No** ☐

Explanation

(6 marks)

Highfield

9.

There are 2 different waterparks near your hotel.

You and Josh both have the following leaflets:

Water World

€36 per person

1/3 off per person
with this leaflet

Water Kingdom

€39 per person

30% off per person
with this leaflet

The exchange rate is:

£1 = €1.12

How much less is it for you both to go to the cheaper waterpark than go to the more expensive waterpark? Give your answer in pounds sterling (£).

Show your working out and write the answer in the box below.

(6 marks)

Answer: £_____

Open Awards

10.a)

Jared needs to buy decorations for a celebration cake. He sees this price list at his local trade store.

Item	Price
Candles	13p each
Icing	£1.40 per packet
Sugar Alphabet Letters	56p each
20% discount if you use your trade card	

Jared will use his trade card to buy the decorations. He buys 20 candles, 2 packs of icing and 15 letters to make the word CONGRATULATIONS.

How much money will Jared spend on the decorations using his trade card?

(4 marks)

Show your calculations and/or workings out here:

Write your answer in this box.

b)

Use approximation to check the amount of the trade discount.   (1 mark)

Show your calculations and/or workings out here:

Write your answer in this box.

AQA

11.

Here is the price list for food and drink at the concert.

Food		Drink	
Burger	£4.45	**Coffee**	£2.95
Hot dog	£3.95	**Tea**	£1.95
Pizza	£5.45	**Cola**	£2.35
Crisps	90p		

Ian has a student discount card.

He gets 15% discount on the food and drink.

Ian has £6.20

Does he have enough money to buy a hot dog, crisps and a cola?

You **must** show your working.

[4 marks]

_____

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12.

Tickets to the concert will cost £55

There is an early booking discount of 20%

Work out the total cost of 3 tickets using the early booking discount.

[4 marks]

_____

_____

_____

_____

Answer £ _____

13.

Megan is shopping for a new speaker for her dance studio.

She sees offers in two shops for the speaker.

G Tone Music Shop Speaker Usual price £129 Special offer $\frac{1}{3}$ off	Oma's Music Store Speaker Usual price £112 Special offer 25% off

Megan wants to pay the lowest price possible.

Which of these shops should she choose?
You **must** show your working.

[5 marks]

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Answer _____

14.

Javed is going to be an apprentice bricklayer.

He needs to buy **two** jackets.

He sees these offers in two shops.

Shop A	Shop B
Jackets usual price £24 Special Offer $\frac{1}{3}$ off the usual price	Jackets usual price £21.80 Special Offer Buy one, get second half price

He wants to pay the lowest price possible.

Which of these shops should Javed choose?

You **must** show your working.

[6 marks]

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