### N13 Money Questions

## OCR

Created	by	W	Neil
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11 Chris is organising a weddin	11	Chris is	organising	a wedding
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(a) The wedding breakfast is in a hotel. It costs £400 to hire the room plus £69.95 for each guest. He can spend a maximum of £5500.

What is the maximum number of guests he can invite to the breakfast?

(a).....[3]

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(b) There are 120 people in the evening.A buffet is ordered for 85% of these people.

For how many people is the buffet ordered?

(b).....[2

- 11 Chris is organising a wedding.
  - (a) The wedding breakfast is in a hotel.
    It costs £400 to hire the room plus £69.95 for each guest.
    He can spend a maximum of £5500.

What is the maximum number of guests he can invite to the breakfast?

$$\frac{5100}{69.95} = 77.9$$



(b) There are 120 people in the evening.A buffet is ordered for 85% of these people.

For how many people is the buffet ordered?

85% of 120

(b)....[2]

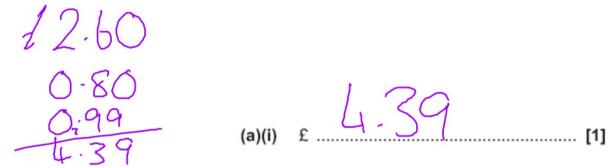
Created	by	W	Neil	I
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				Created by W Neili
5	George	is going to make biscuits for a party.		
	• (	s: wo 250g packs of butter at £1.30 per pac one 1.5kg bag of flour at £0.80 per bag one 500g bag of sugar at £0.99 per bag.	ck	
	(a) (i)	How much does he spend altogether?		
			(a)(i)	£[1]
	(ii)	He pays with a £10 note.		
		How much change should he receive?		
			(ii)	£[1]

5 George is going to make biscuits for a party.

He buys:

- two 250g packs of butter at £1.30 per pack
- one 1.5 kg bag of flour at £0.80 per bag
- · one 500 g bag of sugar at £0.99 per bag.
- (a) (i) How much does he spend altogether?



(ii) He pays with a £10 note.

How much change should he receive?

Video	created	by	W	Neill	
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(b) Four friends buy cinema tickets using this offer.

Cinema tickets

Buy 3 tickets and get a ticket free

They each pay £6.45.

How much does a ticket cost?

(b) Four friends buy cinema tickets using this offer.

#### Cinema tickets

Buy 3 tickets and get a ticket free

They each pay £6.45.

How much does a ticket cost?

Total paid = £6.45 x 4

= 6x4 = £24
45px4 = £1.80 }£25.80

(b) £ 3

Video	created	by	W	Neil	

7 Hardeep buys 11 identical shirts and 24 identical ties for £403.51. The cost of a shirt is £15.65.

Find the cost of a tie.

£.....[4]

Hardeep buys 11 identical shirts and 24 identical ties for £403.51. The cost of a shirt is £15.65.

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10 Reuben hires a car. It costs £150, plus 85p for each mile he travels.

When Reuben hires the car, its mileage is 27612 miles. When Reuben returns the car, its mileage is 28361 miles.

How much did Reuben pay to hire the car?

£.....[4]

10 Reuben hires a car.

It costs £150, plus 85p for each mile he travels.

N13

When Reuben hires the car, its mileage is 27612 miles. When Reuben returns the car, its mileage is 28361 miles.

How much did Reuben pay to hire the car?

How much he used ... 28361 - 27612 - 749 miles 85p x 749 miles 63665 p = £636.65 + £150

£ 786.65

Video	created	by	W	Neil	

17 James works from 2pm until 8.30pm on both Thursday and Friday. He is paid £12 per hour.

N13

On Saturday he is paid  $1\frac{1}{2}$  times this hourly pay.

He works for 5 hours on Saturday.

Calculate how much James earns in total for these three days.

£ ......[6]

- 17 James works from 2pm until 8.30pm on both Thursday and Friday. He is paid £12 per hour.
- N13 On Saturday he is paid  $1\frac{1}{2}$  times this hourly pay.

He works for 5 hours on Saturday.

Calculate how much James earns in total for these three days.

Thursday

2pm > 8.30pm

= 6 1/2 hrs × £12

= £78

= £78

Video created by Will Neill

8 A water company charged the following in 2017.

N13

£2.00 for each m³ of water used plus a fixed charge of £45

In 2017 Jenny used 110 m³ of water. For the 12 months of 2017 she paid £20 per month to the water company.

How much more money does Jenny need to pay to the water company?

N13

£2.00 for each m³ of water used plus a fixed charge of £45

She has paid

£20 x12

In 2017 Jenny used 110 m<sup>3</sup> of water.

For the 12 months of 2017 she paid £20 per month to the water company.

How much more money does Jenny need to pay to the water company?

= £240

110m3 x £2 = £220/+ £45 Total Dill = £265

Still one Bill = £265 - 240

£ 25/

8 This table shows the ticket price for each person to visit a zoo in winter.

Type of ticket	Ticket price
Adult (aged 18 and over)	£18
Child (aged 3 to 17)	£14
Child (aged below 3)	Free

(a) A family of two adults, one child aged 8 and one child aged 1 visit the zoo in winter.

What is the total cost of the tickets?

N13

8 This table shows the ticket price for each person to visit a zoo in winter.

Type of ticket	Ticket price
Adult (aged 18 and over)	£18
Child (aged 3 to 17)	£14
Child (aged below 3)	Free

(a) A family of two adults, one child aged 8 and one child aged 1 visit the zoo in winter.

What is the total cost of the tickets?

# Edexcel

Video	created	by	W	Neil	
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8 Joanne wants to buy a dishwasher.

The dishwasher costs £372

Joanne will pay a deposit of £36 She will then pay the rest of the cost in 4 equal monthly payments.

How much is each monthly payment?

£

(Total for Question 8 is 2 marks)

8 Joanne wants to buy a dishwasher.

The dishwasher costs £372

Joanne will pay a deposit of £36 She will then pay the rest of the cost in 4 equal monthly payments.

How much is each monthly payment?

$$£372 - £36 = £336 ÷ 4$$
  
=£84

£ 84

(Total for Question 8 is 2 marks)

9 Here are some prices in a cafe.

Prices	
Tea	£1.60
Coffee	£2.25
Milk	95p
Toast	£1.85
Bacon sandwich	£3.30
Egg sandwich	£2.95

Jack orders

2 teas

1 coffee

1 toast

1 bacon sandwich

Jack only has a £10 note.

Does he have enough money to pay the bill? You must show how you get your answer.

(Total for Question 9 is 3 marks)

9 Here are some prices in a cafe.

Prices	
Tea	£1.60
Coffee	£2.25
Milk	95p
Toast	£1.85
Bacon sandwich	£3.30
Egg sandwich	£2.95

Jack orders

2 teas

1 coffee

1 toast
1 bacon sandwich

No, he does not have enough.

Jack only has a £10 note.

Does he have enough money to pay the bill? You must show how you get your answer.

(Total for Question 9 is 3 marks)

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18 A number of students go on a coach trip.

The cost of hiring the coach is £180

The school pays 80% of this cost.

The students pay the rest of the cost.

Each student pays £1.50

Work out the number of students on the coach trip.

.....

(Total for Question 18 is 4 marks)

**18** A number of students go on a coach trip.

The cost of hiring the coach is £180 £1.50 = 1student

The school pays 80% of this cost.

The students pay the rest of the cost. 13 = 2students

X12

136 = 24 student x12

X2

Each student pays £1.50

Work out the number of students on the coach trip.

(Total for Question 18 is 4 marks)

Created	by	W	Neil	I
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<b>18</b> Claire buys a new car for	T t	5/1	J	U
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She pays a deposit of 12% She then pays the rest of the cost in 15 equal monthly payments.

How much is each monthly payment?

£

(Total for Question 18 is 3 marks)

18 Claire buys a new car for £5700

She pays a deposit of 12%
She then pays the rest of the cost in 15 equal monthly payments.

How much is each monthly payment?

£334.40/

(Total for Question 18 is 3 marks)

Video created by W Neill

### 12 Ria buys

N13 2 packets of biscuits costing £1.40 each

2 cakes costing £1.50 each

3 bottles of orange juice costing £1.10 each

Ria pays with a £10 note.

Work out how much change Ria should get.

(Total for Question 12 is 3 marks)

### 12 Ria buys

N13 2 packets of biscuits costing £1.40 each

2 cakes costing £1.50 each

3 bottles of orange juice costing £1.10 each

Ria pays with a £10 note.

Work out how much change Ria should get.

£10 - £9.10 = change

£0.90 or

(Total for Question 12 is 3 marks)

Video created by W Neill

14 Tim works for a company.
His normal rate of pay is £10 per hour.

N13

On Friday Tim worked 4 hours overtime.

His overtime rate of pay is  $1\frac{1}{2}$  times his normal rate of pay.

Work out how much money Tim was paid for his overtime on Friday.

£

(Total for Question 14 is 3 marks)

- **14** Tim works for a company. His normal rate of pay is £10 per hour.
- **N13** On Friday Tim worked 4 hours overtime.

His overtime rate of pay is  $1\frac{1}{2}$  times his normal rate of pay.

Work out how much money Tim was paid for his overtime on Friday.

715 x 4 = 760  $\frac{E(0)}{E(0)} \times \frac{1}{E(0)} = \frac{1}{E(0)} =$ 

(Total for Question 14 is 3 marks)

Video	created	by	W	Neill
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**14** Abi is going to buy ingredients to make 65 hot chocolate drinks.

She needs 12 g of chocolate powder and 5 marshmallows to make each drink.

Abi can buy

chocolate powder in 250 g jars at £2.99 per jar

R26 marshmallows in bags of 120 marshmallows at £1.45 per bag

N13

Work out the total cost of the chocolate powder and the marshmallows she needs to buy.

£

(Total for Question 14 is 4 marks)

14 Abi is going to buy ingredients to make 65 hot chocolate drinks.

She needs 12 g of chocolate powder and 5 marshmallows to make each drink.

Abi can buy

**R26** 

chocolate powder in 250 g jars at £2.99 per jar

marshmallows in bags of 120 marshmallows at £1.45 per bag

N13
Work out the total cost of the chocolate powder and the marshmallows she needs to buy.

Choc Powder |2g| = |drink| |5m| = |drink| |325m| = 65 drinks| |1.96+4.35| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |250| |

### 7 Fahima buys

Video created by W Neill

- 2 packets of bread rolls costing £1.50 for each packet
- 1 bottle of ketchup costing £1.60
- 3 packets of sausages

Fahima pays with a £10 note.

She gets 30p change.

Fahima works out that one packet of sausages costs £2.30

Is Fahima right?

You must show how you get your answer.

Fahima pays with a £10 note.

3 packets of sausages

She gets 30p change.

Fahima works out that one packet of sausages costs £2.30

2 packets of bread rolls costing £1.50 for each packet

Is Fahima right?

You must show how you get your answer.

1 bottle of ketchup costing £1.60

6.90
1.60
3.00
11.50 is greater
than £10 so no
she is not correct

9 Sean works for a company.

His normal rate of pay is £12 per hour.

When Sean works more than 8 hours a day, he is paid overtime for each hour he works more than 8 hours.

Sean's rate of overtime pay per hour is  $1\frac{1}{4}$  times his normal rate of pay per hour.

On Monday Sean worked for 10 hours.

Work out the total amount of money Sean earned on Monday.

9 Sean works for a company. His normal rate of pay is £12 per hour.

When Sean works more than 8 hours a day, he is paid overtime for each hour he works more than 8 hours.

Sean's rate of overtime pay per hour is  $1\frac{1}{4}$  times his normal rate of pay per hour.

On Monday Sean worked for 10 hours.

Work out the total amount of money Sean earned on Monday.

8 hours 2 hours 2 hrs 2 hrs

**6** There are 495 coins in a bottle.

 $\frac{1}{3}$  of the coins are £1 coins.

124 of the coins are 50p coins.

The rest of the coins are 20p coins.

Work out the total value of the 495 coins.

£

(Total for Question 6 is 4 marks)

There are 495 coins in a bottle.

 $\frac{1}{2}$  of the coins are £1 coins.

124 of the coins are 50p coins.

The rest of the coins are 20p coins.

Work out the total value of the 495 coms.  $\frac{E1}{3} \text{ of } 495 = 165 \text{ coins}$   $124 \times £0.50$   $206 \times £0.20$  £165 - 124 = 206 268.20

(Total for Question 6 is 4 marks)

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13 Ellie makes hats.

She makes at least 17 hats per hour. She is paid 46p for each hat she makes.

Reaze is a waiter.

He works 35 hours and is paid a total of £266

Show that Ellie's hourly rate of pay is more than Reaze's hourly rate of pay.

(Total for Question 13 is 3 marks)

# 13 Ellie makes hats.

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She makes at least 17 hats per hour. She is paid 46p for each hat she makes.

Reaze is a waiter.

He works 35 hours and is paid a total of £266

Show that Ellie's hourly rate of pay is more than Reaze's hourly rate of pay.

Ellie 17 x £0.46 = £7.82

£266 - 35 = 27.60

£7.82 > £7.60

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17 Emily buys a pack of 12 bottles of water. The pack costs £5.64

Emily sells all 12 bottles for 50p each.

Work out Emily's percentage profit. Give your answer correct to 1 decimal place.

.....%

(Total for Question 17 is 3 marks)

Emily sells all 12 bottles for 50p each.

Work out Emily's percentage profit. Give your answer correct to 1 decimal place.

Spends 15.64She makes  $SOp \times 12 = 26.00$ 

(Total for Question 17 is 3 marks)

4 The table gives information about the prices of cinema tickets.

Created	by	W	Neill	
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Cinema ticket	Price
adult ticket	£7.80
child ticket	£5.80
family ticket (for 4 people)	£24.30

Mr Edwards and his 3 children go to the cinema.

It is cheaper for Mr Edwards to buy 1 family ticket rather than 4 separate tickets.

(a) How much cheaper?

(3)

The film starts at 6.45 pm. The film lasts 102 minutes.

(b) What time does the film finish?

The table gives information about the prices of cinema tickets.

Created by W Neill

Cinema ticket	Price
adult ticket	£7.80
child ticket	£5.80
family ticket (for 4 people)	£24.30

Single tickets
$$1 \times £7.80 = £7.80$$

$$3 \times £5.80 = £17.40$$

$$£25.20$$

Mr Edwards and his 3 children go to the cinema.

It is cheaper for Mr Edwards to buy 1 family ticket rather than 4 separate tickets.

(a) How much cheaper?

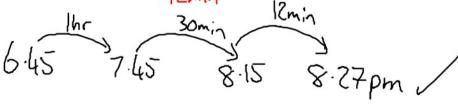
£25.20 - £24.30

family ticket = £24.30 90p or £0.90

The film starts at 6.45 pm. The film lasts 102 minutes.

(b) What time does the film finish?

102 min = 1hr 42min



Created by W Neill

11 Jack's driving school has two offers.

#### Offer 1

First driving lesson free

All other driving lessons normal price

#### Offer 2

All driving lessons

5% off the normal price

The normal price of a driving lesson is £24

Douglas is going to have 12 driving lessons.

Which is the cheaper offer for 12 driving lessons, Offer 1 or Offer 2? You must show how you get your answer.

(Total for Question 11 is 3 marks)

11 Jack's driving school has two offers.

### Created by W Neill

#### Offer 1

First driving lesson free

All other driving lessons normal price

#### Offer 2

All driving lessons

5% off the normal price

Offer 1 is cheaper

The normal price of a driving lesson is £24

Douglas is going to have 12 driving lessons.

Which is the cheaper offer for 12 driving lessons, Offer 1 or Offer 2?

You must show how you get your answer.

Offer 2

>51.0ff288

= 214.40

Cost £288-14:40 =£273.60

(Total for Question 11 is 3 marks)

10 Tim and three friends go on holiday together for a week. Video created by W Neill N13The 4 friends will share the costs of the holiday equally. Here are the costs of the holiday. £1280 for 4 return plane tickets £640 for the villa £220 for hire of a car for the week Work out how much Tim has to pay for his share of the costs.

(Total for Question 10 is 3 marks)

10 Tim and three friends go on holiday together for a week.

Video created by W Neill

N13The 4 friends will share the costs of the holiday equally.

Here are the costs of the holiday.

£1280 for 4 return plane tickets £640 for the villa £220 for hire of a car for the week

Work out how much Tim has to pay for his share of the costs.

0535

£ 535

(Total for Question 10 is 3 marks)

8 Neil buys 30 pens, 30 pencils, 30 rulers and 30 pencil cases.

N13

Price list	
pens	6 for 82p
pencils	15 for 45p
rulers	10 for £1.25
pencil cases	37p each

What is the total amount of money Neil spends?

€.....

(Total for Question 8 is 5 marks)

8 Neil buys 30 pens, 30 pencils, 30 rulers and 30 pencil cases.

N13

#### **Price list**

pens 6 for 82p
pencils 15 for 45p
rulers 10 for £1.25
pencil cases 37p each

What is the total amount of money Neil spends?

(Total for Question 8 is 5 marks)

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23	Raya	buys	a van	for £	E8500	plus	VAT	at	20%
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Raya pays a deposit for the van.

NI3 She then pays the rest of the cost in 12 equal payments of £531.25 each month.

RI3

Find the ratio of the deposit Raya pays to the total of the 12 equal payments. Give your answer in its simplest form.

(Total for Question 23 is 5 marks)

Raya buys a van for £8500 plus VAT at 20%

Raya pays a deposit for the van.

NI3 She then pays the rest of the cost in 12 equal payments of £531.25 each month.

R13

Find the ratio of the deposit Raya pays to the total of the 12 equal payments.

Give your answer in its simplest form.

 10 Bronwin works in a restaurant.

Video created by W Neill

The table gives her rates of pay.

NI3

Day	Rate of pay
Monday to Friday	£8.40 per hour
Weekend	£11.20 per hour

Bronwin worked for a total of 20 hours last week. She worked 8 of these 20 hours at the weekend.

Show that Bronwin was paid less than £200 last week.

(Total for Question 10 is 3 marks)

The table gives her rates of pay.

N13

Day	Rate of pay
Monday to Friday	£8.40 per hour
Weekend	£11.20 per hour

Bronwin worked for a total of 20 hours last week. She worked 8 of these 20 hours at the weekend.

Show that Bronwin was paid less than £200 last week.

(Total for Question 10 is 3 marks)

8 2 pens cost £2.38 5 folders cost £5.60

N13

R26 Ben wants to buy 20 pens and 20 folders. He only has £50

Does Ben have enough money to buy 20 pens and 20 folders? You must show how you get your answer.

(Total for Question 8 is 4 marks)

- 2 pens cost £2.38 5 folders cost £5.60
- **N13**
- R26 Ben wants to buy 20 pens and 20 folders. He only has £50

Does Ben have enough money to buy 20 pens and 20 folders?

You must show how you get your answer.

Pens.... 2 pens = 
$$£2.38$$
 ) x10 | X4 |  $5 \text{ folders} = £5.60$  | X4 |  $20 \text{ folders} = £22.40$  | X4 |  $20 \text{ folders} = £22.40$  | Yes Ben has enagh |  $40 \text{ folders} = £22.40$  |  $40 \text{ folders} = £22.40$  | Yes Ben has enagh |  $40 \text{ folders} = £22.40$  |  $40 \text{ folders} = £22.40$ 

(Total for Question 8 is 4 marks)

# 13 Annie sold

N13 45 books at £1.20 each

34 candles at £1.50 each

some calendars at 90p each

She got a total of £150

Work out how many calendars Annie sold.

(Total for Question 13 is 4 marks)

13 Annie sold

N13

> £54 } => £51 } £105 Video Created by W Neill

some calendars at 90p each

She got a total of £150

Work out how many calendars Annie sold.

45 books at £1.20 each

34 candles at £1.50 each

Calendars.... £150 105

(Total for Question 13 is 4 marks)

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18 Trevor buys a boat.
The cost of the boat is £14200 plus VAT at 20%

R7

N13 Frevor pays a deposit of £5000

He pays the rest of the cost in 10 equal payments.

Work out the amount of each of the 10 payments.

£

(Total for Question 18 is 4 marks)

18 Trevor buys a boat.
The cost of the boat is £14200 plus VAT at 20%

**R7** 

N13 Trevor pays a deposit of £5000
He pays the rest of the cost in 10 equal payments.

Work out the amount of each of the 10 payments.

f 14,200 + 201. 201- of f 14200 = f2840

Total cost: 14200 + 2840= 117040

deposit of 75000

Remainder - 212040

nent1040 = £1204

£ E1204

(Total for Question 18 is 4 marks)

# AQA

NI3

Prices	
Pencils	8p each
Rulers	30p each

She says,

"I will buy 15 pencils.

Then I will buy as many rulers as possible.

With my change I will buy more pencils."

How many pencils and how many rulers does she buy?

[6 marks]

Answer pencils, rulers

8

Nadia has £5 to buy pencils and rulers.

NI3

Video created by W Neill

Prices	
Pencils	8p each
Rulers	30p each

Video created by
$$|S \text{ pencils}| = |S|$$

$$|X_4 | 8|$$

$$|Z | 0| = |Z| + |Z| + |Z| = |Z| + |$$

She says,

"I will buy 15 pencils

Then I will buy as many rulers as possible.

With my change I will buy more pencils."

How many pencils and how many rulers does she buy?



			Video created by W Neill
21	Billy wants to buy these tickets for a show.		
NI3	4 adult tickets at £15 each		
R7	2 child tickets at £10 each		
	A 10% booking fee is added to the ticket price.		
	3% is then added for paying by credit card.		
	Work out the total charge for these tickets when paying by credit card.		[F manks]
			[5 marks]
	Ar	nswer £	

Billy wants to buy these tickets for a show.

4 adult tickets at £15 each X £60

2 child tickets at £10 each  $\frac{420}{}$ 

NI3

R7

X23 7264

A 10% booking fee is added to the ticket price.

3% is then added for paying by credit card.

Work out the total charge for these tickets when paying by credit card.

[5 marks]

$$31. \text{ of } t88$$
  
 $x3 \int 37. = t0.88$   
 $788 + 2.64$ 

Answer £

790-64

9 Complete the bank statement.

[2 marks]

NI3

Date	Description	Credit (£)	Debit (£)	Balance (£)
13/12/2016	Starting balance			212.48
14/12/2016	Council tax		128.39	
15/12/2016	Salary	856.21		

9 Complete the bank statement.

[2 marks]

NI3

out

Date	Description	Credit (£)	Debit (£)	Balance (£)
13/12/2016	Starting balance			212.48
14/12/2016	Council tax		128.39	84.09
15/12/2016	Salary	856.21		940.30

18 Ellen works for a company that sells cars.

Video created by W Neill

Her monthly pay is

N13

- a salary of £1470
- 28% of the total **profit** the company makes from her sales
- a £250 bonus if she sells at least 15 cars.

The table shows information about the cars she sold last year.

Total cost to the company	Total income for the company	Number of months when she sold at least 15 cars
£464 500	£538 000	3

Was Ellen's total pay for the year more than £40 000?

You must show your working.

[6 marks]

18 Ellen works for a company that sells cars.

Video created by W Neill

Her monthly pay is

a salary of £1470

28% of the total profit the company makes from her sales

a £250 bonus if she sells at least 15 cars.

Salary = 21470 x 12 = 217640

The table shows information about the cars she sold last year.

28% of profit

Total cost to the company	Total income for the company	Number of months when she sold at least 15 cars
£464 500	£538 000	3

28% of 73500 = 170580

Was Ellen's total pay for the year more than £40 000?

You must show your working.

Bonus = 3x EZSO

Answer No, 38970 < 40,000

		Video created by W Neill
8 N13	A library book was due to be returned on 27 September.  It was actually returned on 14 October.  There is a fine of 8p for every day the book is late.	
	Work out the total fine.	[3 marks]
		-
	Answer £	_

**8** A library book was due to be returned on 27 September.

N13 It was actually returned on 14 October.

There is a fine of 8p for every day the book is late.

Work out the total fine.

[3 marks]



Ola has these coins.



Eve gives three of her coins to Ola.

[3 marks]

Now, Ola has the same amount of money as Eve.

Which coins does Eve give to Ola?

Answer , ,



Ola has these coins.



Eve gives three of her coins to Ola.

Now, Ola has the same amount of money as Eve.

Which coins does Eve give to Ola? £2.75

[3 marks]

Answer  $\frac{21}{200}$ ,  $\frac{200}{200}$ ,  $\frac{200}{200}$ 



2nd suit half price



Work out the total price for 2 suits and 6 dresses.

[4 marks]

Answer £





Normal price £12.50 1st suit normal price 2nd suit half price

Dress



Normal price £9.75 Three for the price of two

Suits 712.50 + E6.25 = E18.75

)resses

£9.75 £9.75 free £9.75 £9.75 free

[4 marks]

Work out the total price for 2 suits and 6 dresses)

		Video created by W Neill
20	In 2015, Han was paid £1350 per month.	
N13 R9a	In 2016, he had a 2% increase in his monthly pay worked 37.5 hours per week worked for 47 weeks.	
	Work out Han's average pay per hour for 2016	[5 marks]
		Answer £

20 In 2015, Han was paid £1350 per month. In 2016, he **N13** had a 2% increase in his monthly pay  $\,\,\,\,\,\,\,\,\,\,\,\,\,\,$ R9a worked 37.5 hours per week worked for 47 weeks. Work out Han's average pay per hour for 2016 2% of £1350 ... new monthly pay £27 £1377 ... new monthly

Video created by W Neill

		Video created by W Neill
	2.5 kg of carrots cost £1.70	
26 13	Work out the cost of 3.25 kg of carrots.	[3 marks]
	Answer £	

[3 marks]

5 2.5 kg of carrots cost £1.70

N13

Work out the cost of 3.25 kg of carrots.

 $\frac{2.5 \text{Kg}}{2.5 \text{Kg}} = \frac{1.70}{2.5 \text{Kg}}$   $\frac{1 \text{Kg}}{2.5 \text{Kg}} = \frac{1.70}{2.5 \text{Kg}}$   $\frac{1 \text{Kg}}{2.5 \text{Kg}} = \frac{1.70}{2.25 \text{Kg}}$   $\frac{1 \text{Kg}}{2.25 \text{Kg}} = \frac{1.70}{2.25 \text{Kg}}$ 

11 300 passengers go on a coach trip.

Video created by W Neill

N13

Each passenger pays £25

The table shows the costs for the coach company.

Each coach takes 50 passengers.

	Cost for each coach
Pay for driver	£90
Fuel	70p per mile

Each coach travels 200 miles.

Work out the total profit the company makes from this trip.

[6 marks]

Answer £

11 300 passengers go on a coach trip.

Money made

N13

Each coach takes 50 passengers.

Each passenger pays £25

The table shows the costs for the coach company.

	Cost for each coach
Pay for driver	£90
Fuel	70p per mile

300 X 225

Drivers =  $\frac{300}{50} = 6$  coaches

Video created by W Neill

6x Drives = 6x Eqo

Each coach travels 200 miles.

Work out the total profit the company makes from this trip.

Answer £ 6/20

6 Saj wants to go to all 19 home games at a football club. For each game, a ticket costs £28 N13 A season ticket costs £379 and gives entry to all 19 home games. In total, how much does Saj save by buying a season ticket? [3 marks] Answer £

6

Saj wants to go to all 19 home games at a football club.

**N13** 

For each game, a ticket costs £28

A season ticket

costs £379

and

gives entry to all 19 home games.

In total, how much does Saj save by buying a season ticket?

No season ticket. ( £28 × 19

Ticket = £379

Savings... 532-379

[3 marks]

8	Jim has six bankno	otes.			
N13	The value of each	note is £5 or £10 or £2	0		
	He <b>can</b> ma	ke £20 with three notes	S.		
	He <b>can</b> ma	ike £55 with four notes.			
	He <b>cannot</b> make £25 with three notes.				
	He <b>cannot</b>	make £25 with four no	tes.		
	List the six notes.				
				[2 marks]	
		£	£	£	
		£	. ~	_ ~	
		£	£	c	
		~	. ~	_ ~	

8

Jim has six banknotes.

N13

The value of each note is £5 or £10 or £20

He can make £20 with three notes.

He can make £55 with four notes.

He cannot make £25 with three notes.

He cannot make £25 with four notes.

List the six notes.

[2 marks]

£\_\_\_\_\_

, 20

£\_\_\_\_(()

12 (b) The table shows the profit or loss the takeaway makes on each pizza.

#### N13

	Normal price	Offer price
10-inch	£3.74 profit	51p loss
12-inch	£5.29 profit	4p loss

In week 1 the total profit was £1895.55

At the end of week 1 the takeaway spent £175 on adverts.

Was the increase in profit in week 2 more than the cost of the adverts?

You must show your working.

[4 marks]

12 (b) The table shows the profit or loss the takeaway makes on each pizza.

N13

	Normal price	Offer price
10-inch	£3.74 profit	51p loss
12-inch	£5.29 profit	4p loss

Increase in Profit

2158.26 - 1895.55

= 2262.71

In week 1 the total profit was £1895.55

At the end of week 1 the takeaway spent £175 on adverts.

Was the increase in profit in week 2 more than the cost of the adverts?

Yes 262.71 > £175

Video created by W Neill

[3 marks]

6 (a) Complete the bank statement.

N13

Date	Description	Credit (£)	Debit (£)	Balance (£)
01/09/18	Starting balance			1140.79
06/09/18	Car repairs		256.00	
17/09/18	Gas bill		87.31	
24/09/18	Salary	2069.75		

**6 (b)** Write down the meaning of 'Debit' as used in the bank statement.

[1 mark]

6 (a) Complete the bank statement.

Video created by W Neill

[3 marks]

N13

		1.100169 111	ray ouc	
Date	Description	Credit (£)	Debit (£)	Balance (£)
01/09/18	Starting balance			1140.79
06/09/18	Car repairs		256.00	884.79
17/09/18	Gas bill		87.31	797.48
24/09/18	Salary	2069.75		2867.23

Money coming out of the account.

Manay's Da. O.L

6 (b) Write down the meaning of 'Debit' as used in the bank statement.

[1 mark]

Video created by W Neill

8 Beth sells hot dogs at a market.

Each hot dog is a sausage in a bread roll.

N13



Hot dogs £3 each Beth sells the hot dogs for £3 each. She sells 300 hot dogs.

Work out her total profit. [5 marks]

The table shows her costs.

Fee paid to market	£240
Bread rolls	42p per pack of 6
Sausages	£2.50 per jar of 10
Other costs	£57

Answer	£

### 8 Beth sells hot dogs at a market.

Each hot dog is a sausage in a bread roll.

N13



Hot dogs £3 each Beth sells the hot dogs for £3 each.

She sells 300 hot dogs.

Work out her total profit. [5 marks]

She makes 300 x £3

2900

The table shows her costs.

Fee paid to market	£240
Bread rolls	42p per pack of 6
Sausages	£2.50 per jar of 10
Other costs	£57

Costs . - . 
$$£240$$
  
So packs  $\times 40.42 = £21$   
30 jars  $\times £2.50 = £75$   
 $£57 =$ 

Prof.t = 4900-393

Answer £ 507

18 Bottles of drink are for sale at three shops. Video created by W Neill The normal price of a bottle is the same at each shop. N13 Shop B Shop A R8 Buy 1 bottle Buy 2 bottles Get 2 more bottles at half price Get 3 more bottles at half price Shop C 30% off a bottle What is the cheapest way to buy exactly 8 bottles? You can buy from more than one shop. You must show your working. [3 marks] Answer

Bottles of drink are for sale at three shops. 18 Video created by W Neill The normal price of a bottle is the same at each shop. N13 Shop B Shop A R8 Buy 1 bottle Buy 2 bottles Get 2 more bottles at half price Get 3 more bottles at half price Shop C 30% off a bottle What is the cheapest way to buy exactly 8 bottles? You can buy from more than one shop. You must show your working.

Video created by W Neill 13 To make one cheese sandwich, Gina uses one bread roll and two cheese slices. N13 N23 Pack of 15 bread rolls Pack of 20 cheese slices £1.88 £2.15 She is going to buy enough packs to have exactly twice as many cheese slices as bread rolls make more than 100 cheese sandwiches. Work out the least amount she can spend. [4 marks] Answer £

Video created by W Neill

13 To make one cheese sandwich, Gina uses one bread roll and two cheese slices.

**N13 N23**  least 100

Pack of 15 bread rolls

£1.88

Pack of 20 cheese slices

£2.15

She is going to buy enough packs to

have exactly twice as many cheese slices as bread rolls

make more than 100 cheese sandwiches.

Work out the least amount she can spend.

[4 marks]

BR... 15, 30, 45, 60, 75, 90, 105, 120, 135...

CS... 20, 40, 60, 80, 100, 120, 140, 160, 180, 200, 220, 240 12 packs