

MONEY PROBLEMS

GRADE 2

Examination practice questions

You should have:

A ruler, protractor, compasses, a pen, pencil, eraser, calculator.
For some questions, you may need tracing paper.

Instructions

- Use **black** ink or ball-point pen.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- **Calculators may be used.**

Information

- The marks for each question are shown in brackets.
- If the number of marks for two similar questions isn't the same, this is likely due to them being modelled on different specifications. In this case, it is worth considering both mark schemes.
- Use the number of marks for each question as a guide as to how much time to spend on each question. As a rough guide, you can multiply the number of marks by 1.2 to see how many minutes you should spend on a question.
- Questions will generally get more challenging as the document progresses. Some of the latter questions will go beyond the core grade level for this topic.

Advice

- Read each question carefully before you start to answer it.
- Don't forget to have fun.
- Check your answers at the end.

Q1.

AtoZrevision.com

Bananas cost 25p each.

How many bananas can be bought for £2?

.....

(1 mark)

Q2.

AtoZrevision.com

Simon buys some candles.

Each candle costs £2

Simon pays with a £20 note.

He gets £6 change.

Work out the number of candles Simon buys.

.....

(2 marks)

Q3.

AtoZrevision.com

Here are five coins.



Stefan takes two coins and Lara takes the other three coins.

Stefan takes **15p more** than Lara.

Which two coins did Stefan take?

.....

(1 mark)

Q4.

AtoZrevision.com



Lewis makes a call from a telephone box.

He has **£2** in coins.



He uses these five coins to make the call.

How much money has he got **left from the £2**?

.....
(1 mark)

Q5.

AtoZrevision.com

Emily has these coins.



How much more money does Emily need to make exactly £5?

.....
(1 mark)

Q6.

AtoZrevision.com

Mina and Tom share these coins so that they each have the **same** amount of money.



Mina chooses her coins first.
Tom takes the rest of the coins.
Which coins could Mina choose?

.....
(1 mark)

Q7.

AtoZrevision.com

A taxi firm displays their fares as shown

Fixed charge of £1.50 plus 75 pence per mile
--

Joe's fare was £10.50
How many miles did he travel?

.....
(2 marks)

Q8.

AtoZrevision.com

Membership fees at a tennis club are calculated as follows:
A registration fee of £12 plus £3 per week.
Full membership is for 52 weeks. How much does this cost in total?

.....
(2 marks)

Q9.

AtoZrevision.com

One cake costs £7.99.

Betty buys 9 of these cakes.

How much change does she get from £80?

.....

(2 marks)

Q10.

AtoZrevision.com

Here are the ticket prices for a zoo when bought at the gate.

Adult	£22
Child	£18
Family ticket (2 adults and up to 4 children)	£80

Mr and Mrs Khan take their four children to the zoo.

They buy their tickets at the gate.

How much do Mr and Mrs Khan save by buying a family ticket?

.....

(4 marks)

Q11.

AtoZrevision.com

Jill bought a new jacket.
She paid £35 deposit and £10 per month for 9 months.

How much did she pay in total?

.....
(2 marks)

Q12.

AtoZrevision.com

The following rule is used to work out the total cost, in euros, of hiring a room.

Total cost = 9 euros for each hour plus 20 euros

Agathe hires the room.
The total cost is 164 euros.

For how many hours does Agathe hire the room?

.....
(3 marks)

Q13.

AtoZrevision.com

Brian hired some equipment.
There was a fixed charge of £45 plus a hire fee of £13.50 per day.
He paid £274.50 in total.
How many days did he hire the equipment for?

.....
(3 marks)

Iwan is going to buy the following items

1 plant pot at £8
3 bags of soil at £4.50 for each bag
some packets of seeds at £1.10 for each packet

Iwan has a total of £30 to spend on these items.
He buys as many packets of seeds as he can.

Work out how much change Iwan should receive.

.....

(4 marks)

Tiles cost £7.48 each.

How many can be bought for £100?

.....

(2 marks)

Jill has a part-time job in the petrol station.

The pay is £7 per hour.

She earns time and a half on Saturday and double time on Sunday.

Last week she worked 6 hours on Monday, 6 hours on Saturday and 4 hours on Sunday.

How much did she earn in total?

.....

(2 marks)

Giant's Causeway ticket prices are shown below.

Adult	£11.50
Child (5-18 years)	£5.75
Child (under 5 years)	Free
Family (2 adults and up to 3 children)	£28.50

Fiona buys a family ticket for herself, her husband and three children, aged 8, 11 and 15.

How much does she save by buying a family ticket rather than two adult and three child tickets?

.....

(2 marks)

Q18.

AtoZrevision.com

Louise normally works 38 hours per week and is paid £9.80 per hour.

If she works any extra hours, she is paid at the overtime rate of £14.50 for each extra hour.

Last week her total earnings were £473.90

How many **extra** hours did she work last week?

.....

(3 marks)

Q19.

AtoZrevision.com

Sonia wants to book a holiday.

The holiday will cost £1428

Sonia will pay a deposit of £150

She will then pay the rest of the cost in 6 equal monthly payments.

How much is each monthly payment?

.....

(3 marks)

Gabi wants to buy a flat.

The cost of the flat is £175 000.

The bank uses this formula to work out the mortgage Gabi can get.

$$M = 4.625A$$

M = mortgage (£)

A = annual income (£)

Gabi has an annual income of £34 000

She will have to pay a deposit for the flat.

The deposit is the difference between the cost of the flat and the mortgage.

Work out the deposit Gabi will have to pay.

.....
(3 marks)

Farah works in a shop.

She earns £8.40 per hour.

She gets paid overtime at time-and-a-half.

In January she worked 100 hours basic plus 30 hours overtime.

In January she paid £33.50 in income tax, £61.92 in National Insurance and £25.20 towards her pension.

Calculate Farah's net pay for January.

.....
(2 marks)

A youth group is planning a fundraising night to help pay for a trip.

The expenses for the night are shown.

DJ and disco	£340
Hall hire	£50
Hog roast	£770
Ticket production	£40

They will sell 200 tickets. They need to make a profit of £2000.

Calculate the minimum ticket price to achieve this profit.

.....
(2 marks)

Harry has a job.

On Friday, he is paid £8.50 per hour.

On Saturday, he is paid $1\frac{1}{2}$ times that rate.

He works for 4 hours on Friday.

He works from 8 am until 1 pm on Saturday.

How much does Harry earn in total for these two days?

.....
(5 marks)

QUESTIONS FROM MATHEMATICAL COMPETITIONS

Q1.

AtoZrevision.com



Egg and chips £1.80

Sausage, egg and chips £2.20

Fish and chips £2.40

Egg on toast £1.00

Sausage and chips £1.20

Which item is the café giving away for free?

Q2.

AtoZrevision.com

Simone is 18 this year. She and I went to a restaurant for lunch to celebrate her birthday. The bill for lunch for the two of us came to £25.50. Simone paid the bill by credit card and I left a £2.50 tip in cash. We agreed to split the total cost equally.

How much did I owe Simone?