

Money and Financial Maths

For AQA GCSE Mathematics (8300) • Foundation tier

Name _____

Total marks: **25**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method. You may use a calculator.

- 1** A laptop costs £450 plus VAT.
VAT is charged at 20%
Circle the total cost of the laptop.

[1 mark]

£470

£520

£540

£900

- 2** An electric car uses 1 unit of electricity to travel 4 miles.
1 unit of electricity costs 32 pence.
Work out the cost of electricity, in pounds, to travel 300 miles.

[3 marks]

Answer £ _____

- 3** Mo's phone contract costs £18 per month.
This includes 300 minutes of calls.
Each extra minute costs 5p.
In March, Mo used 420 minutes of calls.
Work out Mo's bill for March.

[3 marks]

Answer £ _____

- 4** Tomasz sells smoothies at a festival.
He pays £45 to hire a stall for the day.
The ingredients for each smoothie cost £1.35
He sells each smoothie for £3.20

Work out the smallest number of smoothies Tomasz needs to sell so that he makes a profit.

[3 marks]

Answer _____

- 5** People do not pay income tax on the first £12 570 they earn in a year.
Ollie has two jobs.
In his weekday job he earns £185 each week for 52 weeks.
In his weekend job he earns £72 each week for 40 weeks.

Will Ollie pay income tax this year?

You must show your working.

Tick one box.

[3 marks]

☐ Yes

☐ No

- 6** Joe is paid £11.44 per hour.
He works 7.5 hours each day, 5 days a week.

(a) Work out Joe's pay for a normal week.

[2 marks]

Answer £ _____

- (b) One week Joe also works 4 hours of overtime.
Overtime is paid at time and a half.
Work out Joe's total pay for this week.

[2 marks]

Answer £ _____

- 7 Kara wants to buy a bike.

Shop A £240 plus VAT at 20%

Shop B £275 including VAT

Which shop is cheaper, and by how much?
You must show your working.

[3 marks]

Answer _____

- 8 A youth club organises a trip to a theme park.

Coach hire costs £540

Tickets cost £32 each.

For every 10 tickets bought, the club gets 1 extra ticket free.

38 young people and 6 adult helpers go on the trip.

Each young person pays the club £45

The adult helpers do not pay.

Does the youth club make a profit or a loss on the trip?

Give the amount of the profit or loss.

You must show your working.

[5 marks]

Answer _____