

Name: _____

ASM Tuition Academy
CALCULATION PROBLEMS

Instructions:

- Use black ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
- there may be more space than you need.
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- You must show all you're working out.

Information:

- The marks for each question are shown in brackets
- use this as a guide as to how much time to spend on each question.

Advice:

- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

Q1. Ayesha wants to buy 7 sausage rolls.

Each sausage roll costs 85p

Ayesha pays with a £20 note.

(a) Work out how much change Ayesha will get from £20.

..... (2)

(b) When in the shop Ayesha finds out that the price of the sausage rolls has been increased.

How does this affect the amount of change she will get?

..... (1)

(Total for question 1 is 3 marks)

Q2. Aima wants to buy as many chocolate bars as she can.

She has £5 to spend on chocolate bars.

Each chocolate bar costs £0.35

Work out how much change Aima will get from £5.

..... (2)

(Total for question 2 is marks)

Q3. Mark wants to buy 5 pens.

Each pen costs 30p

Mark pays with a £10 note.

(a) Work out how much change Mark will get from £10.

(b) When in the shop Mark finds out that the price of the pens has been reduced.

How does this affect the amount of change he will get?

(Total for question 3 is 3 marks)

**Q4. Mr Bonn buys 30 markers, 30 pencils, 30 ballpoints and 30 calculators.
Prices are;**

**6 markers for 85p
Pencils 10 for £2.64
ballpoint 6 for 52p
Calculators £6.25 each**

What is the total amount of money Mr Bonn spends?

(Total for question 4 is 5 marks)

**Q5. Ali buys a car.
The total cost of the car is £6000
Ali pays a deposit of £600
He then pays 12 equal monthly payments.
How much is each monthly payment?**

(Total for question 5 is 2 marks)

**Q6. Lara goes to a Cafe.
He buys
2 juices for £1.8 each
2 teas for £1.20 each
5 biscuits for £2.20 each
Work out the total amount that Lara spends.**

(Total for question 6 is 3 marks)

**Q7. David buys 3 pencil and 5 markers from the stationary shop.
The total cost is £1.15.
James buys 4 pens for £1.60.
Work out how much it would cost to buy 1 pencil and 2 markers.**

(Total for question 7 is 3 marks)

Q8. The 2 markers' cost £10.40

3 rulers cost £3.54

James wants to buy 30 markers and 30 rulers.

He only has £200

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

You must show how you get your answer.

(Total for question 8 is 5 marks)

Q9. Maya gets paid £9.30 for each hour she works from Monday to Friday. She gets paid £11.50 for each hour she works on Saturday.

Last week May works 12 hours from Monday to Friday and 4 hours on Saturday.

Show that Maya was paid more than £150 last week.

(Total for question 9 is 3 marks)

Q10. Ali wants to buy a chocolate bar for every student in year 7.

There are 110 students in year 7.

A pack of 6 chocolate bars costs £1.20

Work out how much Ali will have to pay for the chocolate bars.

(Total for question 10 is 3 marks)

Q11. Noah and Maya saved a total of £480.

Maya saved £36 more than Noah.

How much did Noah save?

(Total for question 11 is 2 marks)

**Q12. Aima has boiled a kettle.
She has 1.8 litres of water.
Aima want to make as many cups of teas as possible.
For each cup of tea she needs 300ml of water.
How many cups of tea can Aima make?**

(Total for question 12 is 3 marks)

**Q13. A shop sells washing powder in 600g packs.
James has no washing powder.
He estimates that he does 2 washes a week, using 50g each wash.
James wants to buy enough washing powder for 1 weeks.
How many packs of washing powder does James need to buy?**

(Total for question 13 is 3 marks)