Edexcel GCSE Mathematics (Linear) – 1MA0

BEST BUYS

Materials required for examination Ruler graduated in centimetres and

millimetres, protractor, compasses, pen, HB pencil, eraser.

Tracing paper may be used.

Items included with question papers



Instructions

Use black ink or ball-point pen.

Fill in the boxes at the top of this page with your name, centre number and candidate number. Answer all questions.

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 – use this as a guide as to how much time to spend on each question.

Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed – you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.

Advice

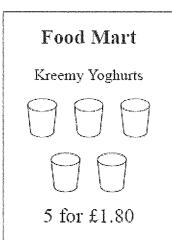
Read each question carefully before you start to answer it.

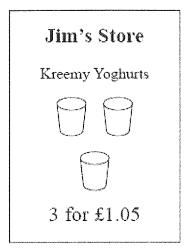
Keep an eye on the time.

Try to answer every question.

Check your answers if you have time at the end.

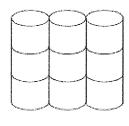
Two shops, Food Mart and Jim's Store, both sell Kreemy Yoghurts. 1.





At which shop are Kreemy Yoghurts the better value for money? You must show all your working.

Jim's store cheaper by 1p



Pack of 9 toilet rolls £4.23



Pack of 4 toilet rolls £1.96

A pack of 9 toilet rolls costs £4.23 A pack of 4 toilet rolls costs £1.96

Which pack gives the better value for money?

You must show all your working.

Pach of 9

64.23 ÷ 9 = 20.47 each Pach of 4

11.96 - 4

10.49 each

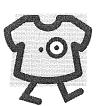
Pach & 4 cost 2p per roll less

Pach & 4

*3. T-shirts normally cost £12 each.

Two shops have a special offer on these T-shirts.

T-Shirts-R-Us



Special offer

Pay for two T-shirts and get one free. Pay for five T-shirts and get three free

Budget Shirt Company



Special offer

1/3 off normal price

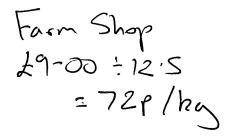
Stephen wants to buy 30 T-shirts.

Work out at which shop, Stephen will get the better deal. You must show clearly how you got your answer.

*4. Potatoes cost £9 for a 12.5 kg bag at a farm shop.

The same type of potatoes cost £1.83 for a 2.5 kg bag at a supermarket.

Where are the potatoes the better value, at the farm shop or at the supermarket? You must show your working.



Supermarket £1.83 - 2.5 = 73.2p/kg

Farm shop is cheaper by 1.2p per kg

(4 marks)

*5. Radox Handwash cost is on offer at Boots and Superdrug.

Boots

500ml bottles on offer at 3 for 2

Superdrug

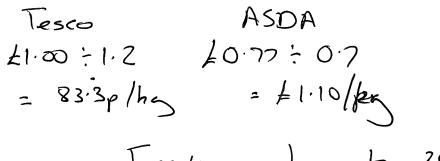
300ml bottles on offer at buy one get one free

Where is the handwash better value, at Boots or Superdrug? You must show your working.

*6. Carrots cost £1 for a 1.2 kg bag at Tesco.

The same type of carrots cost 77 pence for a 700 g bag at ASDA.

Where are the Carrots better value. You must show your working.



Tesco's are changed by 26.6p/has

(4 marks)

*7. Diet Coke is on offer at Morrisons and Sainsburys.

Morrisons:

2 litre bottles on offer 3 for £4.50

Sainsburys:

24 cans x 330ml on offer for £8.85

Monsons 3×2= 61, tre 64.50:6=75p/litre

Sainsburys 24 x 0.330 = 7.92 litre 18.85 - 7.92 = \$1.12/litre

Morrisons charge by 37p/litre

8. Thomas wants to buy an iPod.

The iPod that Thomas wants is sold in two different shops.

Pod Direct

15% OFF usual price of £120 Music City

£84 plus VAT at 17½ %

Work out the difference in the cost of the iPod at the two shops..

Pod Direct

152 & £120 = £18

Cost = 120-18

= £102

Music City 1722 & 284= £14.70

Cost = 84 + 14.70 = <u>198.70</u>

Music City is chaper by 63-30

*9. Railtickets and Cheaptrains are two websites selling train tickets.

Each of the websites adds a credit card charge and a booking fee to the ticket price.

Railtickets

Credit card charge: 2.25% of ticket price

Booking fee: 80 pence

Cheaptrains

Credit card charge: 1.5% of ticket price

Booking fee: £1.90

Nadia wants to buy a train ticket.

The ticket price is £60 on each website.

Nadia will pay by credit card.

Will it be cheaper for Nadia to buy the train ticket from Railtickets or from Cheaptrains?

| Rail tickets | | Cheaptrains | |
|---------------|--------|----------------------|--------|
| * Ticket | 260 | * Tichet | 760 |
| 0.0225×60 | L 1.35 | * Charge 0-015×60 | 60.90 |
| * Booking Fee | F 0.80 | * Booking Ree | £1.90 |
| Totalost | £62-15 | Istal Cost | 162-80 |

Railtichets are cheogor

Ranthehets

(4 marks)