MME

Best Buys

Please write clearly in block capitals

Forename:
Surname:

Materials

For this paper you must have:
• mathematical instruments

You *can* use a calculator.

Instructions

• Use black ink or black ball-point pen. Draw diagrams in pencil.
• Fill in the boxes at the top of this page.
• Answer all questions.
• You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
• Do all rough work in this book. Cross through any work you do not want to be marked.

Information

• The marks for questions are shown in brackets.
• You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

Advice

• In all calculations, show clearly how you work out your answer.

1   At the store, cola is sold in a multipack of cans and in a single bottle.

Multipack	Single
6×330 ml cans £1.70	1×1.5 l bottle £1.50

Which option is the better value for money?

You **must** show all your working.

[3 marks]

_____

_____

_____

_____

_____

_____

_____

_____

_____

Answer _____

Turn over for next question

3

Turn over ►

2   Grayson Academy can choose from two suppliers when buying scissors.

Desk Supplies	**Delaware Resources**
Sells a pack of 4 scissors for £9.95 Delivery cost: £4.95	Sells a pack of 2 scissors for £4.99 Delivery cost: £2.99

The academy intends to purchase 250 scissors.

Which supplier offers better value for money?

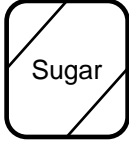You **must** show clearly how you get to your answer.

[3 marks]

Answer _____

Turn over for next question

3

3 Sugar can be purchased from four different shops.

Shop A

Sugar

500 g for
79 p

Shop B

Sugar

0.5 kg for 79 p

Shop C

Sugar

1 kg for £0.99

Shop D

Sugar

1250 g for £1.29

Work out which shop provides the best value per gram of sugar.

You **must** show your working.

[4 marks]

Answer _____

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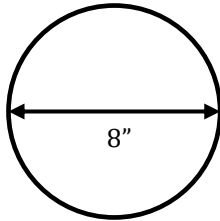Buy them at mathsmadeeasy.co.uk/gcse-maths-revision-cards

4

Turn over ►

4   Cheese pizza comes in three different sizes and at three different prices.

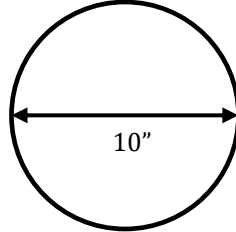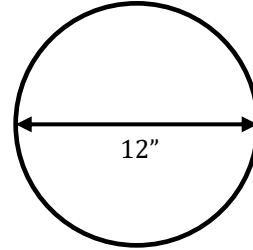Not drawn
accurately

Pizza 8 inch Small	**Pizza 10 inch Medium**	**Pizza 12 inch Large**

8"   10"   12"

£7.99   £9.99   £12.99

Work out which pizza is the best value for money.
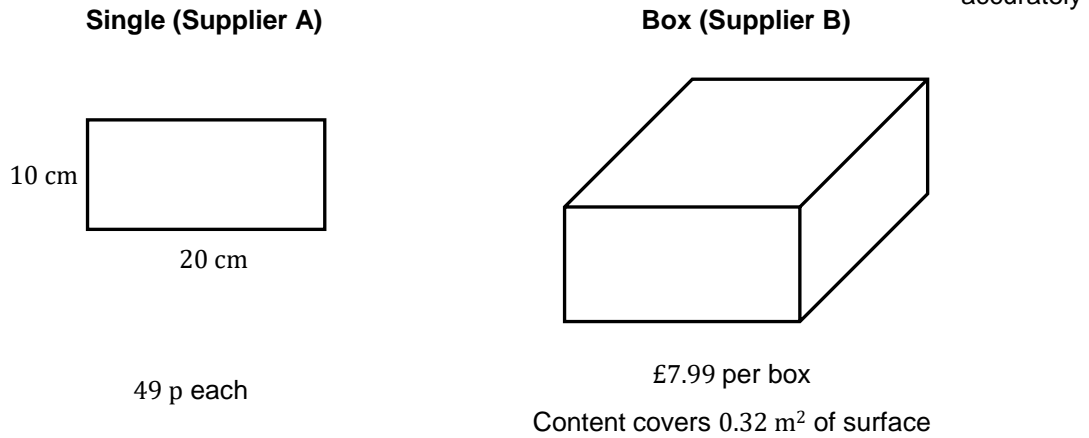
You **must** show clearly how you got your answer.

[4 marks]

Answer _____

Turn over for next question

4

5 Wall tiles are sold either as a single tile or as a box of tiles from two different suppliers.

Not drawn accurately

Single (Supplier A)

10 cm

20 cm

49 p each

Box (Supplier B)

£7.99 per box

Content covers 0.32 m^2 of surface

5(a) Brian needs enough tiles to cover a wall of 4 m^2 and he can only use one supplier.

Boxes of tiles are sold as full boxes only. Which option should he choose?

You **must** show all of your working.

[5 marks]

Answer _____

5(b) The shop starts to sell half-boxes of tiles.

Does this change the best value option for Brian?

You **must** explain your answer.

[6 mark]

Answer _____

5

Turn over ►

6   Three shops sell three different sized bottles of water.

Amazer shop sells water in $1\,L$ bottles, Best-Value sells water in $0.5\,L$ bottles and Cheapest Buy sells $750\,ml$ bottles of water.

> I bought 4 bottles from Amazer, 5 from Best-Value and 9 from Cheapest Buy. I spent a total of £8.96.
>
> **Jack**

> I purchased 8 from Amazer and 10 from Best-Value. I have £1.08 change from a £10 note.
>
> **Sophie**

> For £11.77, I bought the following: 9 from Amazer, 9 from Best-Value and 5 from Cheapest Buy.
>
> **Kabira**

Using the three statements above, work out who got the cheapest water per litre.

You **must** show clearly how you got your answer.

[6 marks]

Answer _____

End of Questions

END