Name:

Exam Style Questions

Best Buys

Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

Secondary

Video 210

1. Water is sold in two sizes.

1 gallon

2 gallons

85p

£1.72

Which is the better value for money?
You must show all your working.

↓ ×2

£1.70 for two gallons
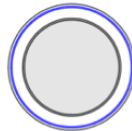
The 1 gallon container is better value for money.

(2)

2. The same type of dinner plate is sold in two different packs.

Small pack
Contents
3 plates

Large pack
Contents
12 plates

£5.25

£21.24

×4

Which is the better value for money?
You must show all your working.

£21.00 for 12 plates

The small pack is better value for money.

(2)

3. Vegetarian burgers are sold in two different sizes.

Regular Packet
8 burgers

Large Packet
24 burgers

£1.59   £4.79

×3

Which size packet is the better value for money?
You must show all your working.

£4.77

The regular packet is better value
for money

(2)

4.	James and Maddie are selling cupcakes.

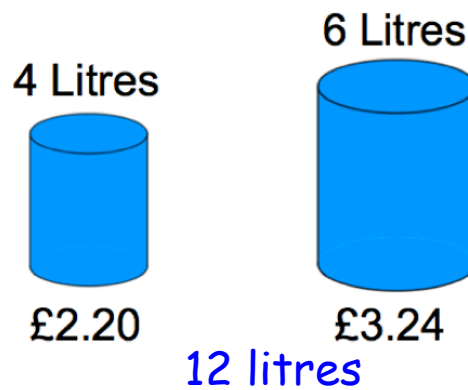**6 for £5**   **4 for £3.50** Maddie

James

12 cupcakes

James sells 6 cupcakes for £5   ×2 = £10
Maddie sells 4 cupcakes for £3.50   ×3 = £10.50

Which is better value?
You must show all your working.

James's offer is better value for money.

(3)

5. Cooking oil is sold in two sizes of cans.

6 Litres

4 Litres

£2.20   £3.24

12 litres

A small can contains 4 litres of cooking oil and costs £2.20 x 3 = £6.60
A large can contains 6 litres of cooking oil and costs £3.24 x 2 = £6.48

Which size of can gives the better value for money?
You must show all your working.

The large can is better value for money

(4)

6. A shop sells doughnuts in two different size bags.

15 doughnuts

Small bag
Contents
3 doughnuts

Large bag
Contents
5 doughnuts

£1.08 ×5
= £5.40

£1.70 ×3
= £5.10

Which is the better value for money?
You must show all your working.

The large bag is better value for money

(3)

7. Snacks can be bought in **40 biscuits**

a pack of 8 biscuits for £1.92 ×5 = £9.60
a pack of 10 biscuits for £2.55 ×4 = £10.20

Which of these two packs is better value for money?
You must show all your working.

The pack of 8 biscuits is better value for money

(3)

8. A shop sells Cola in three different size bottles.

6 litres

×3

| 2 Litre | | ×10 | 600ml | | ×4 | 1.5 Litre |

= £5.97   £6.20   £6.12

2 Litre	600ml	1.5 Litre
£1.99	62p	£1.53

Which size bottle is the best value for money?
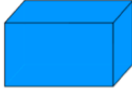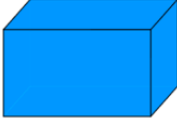You must show all your working.

The two litre bottle is best value for money

(3)

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9. There are two different packets of the same type of paper in a shop.

1200 sheets

400 sheets

150 sheets

×8   ×3

Small	Regular
75p	£2.08

= £6   = £6.24

Which of the two packets gives the better value for money?
You must show your working.

The small packet of paper is better value

(4)

10. Bramley apples cost £4.60 for a 3kg bag at Supervalue supermarket.
The same type of apples cost £11.40 for a 7.5kg bag at Nixon's supermarket.

Where are the apples the best value for value?
You must show your working.

$4.60 \div 3 = £1.5333....$ per kg   Supervalue

$11.40 \div 7.5 = £1.52$ per kg   Nixons

Nixon's is better value for money

(4)

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11. Candles normally cost £6 each.

Two websites have special offers

Corbettmaths Candles   **Candles'R'us**

Buy 3 get 1 free   **20% off**

Laura wants to buy 30 candles.   Corbettmaths Candles is best
Which website should Laura use?   value for money

Corbettmaths Candles

7 lots of buy 3 get 1 free + 2 extra

7 × £18 + £12 = £138

Candles'R'us

30 × £6 = £180

10% = £18
20% = £36

£180 - £36 = £144

(4)

12. Two shops sell the same type of perfume.
A 100ml bottle of perfume normally costs £40.

Shop A

50% extra free

150ml for £40

Only £40

Shop B

Buy one get the second HALF PRICE

200ml for £60

Normal price £40 for 100ml

Rebecca says that both offers give the same value for money.
Is she correct? Show your working.

Shop A   150ml for £40   Shop B   200ml for £60
       ↓×4   ↓×4   ↓×3   ↓×3
600ml for £160   [600ml]   600ml for £180

✓
Shop A is best value

(5)

13. A supermarket sells Baked Beans in two different size cans.

215g
40p

395g
74p

Which size can is the best value for money?
You must show all your working.

$40 \div 215 = 0.186p$ per gram
$74 \div 395 = 0.187p$ per gram

The 215g can is best value

(4)

14. In England, a 10 mile train journey costs £6.40
In Ireland, a 20km train journey costs €10.85

At the time £1 = €1.40

Which train journey is better value?   × 1.4

1 mile = 1.6km

England   16km = €8.96 ÷ 16
÷16
1km = €0.56

Ireland
20km = €10.85
÷20   ÷20
1 = €0.5425

The train journey in Ireland is better value for money

(4)