



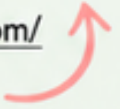
# JP Maths

## Revision



Attempt the paper  
before watching the  
solutions!

[https://www.youtube.com/  
@JPMathsRevision](https://www.youtube.com/@JPMathsRevision)



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## Best Buys



### 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.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a  $\pi$  button, take the value of  $\pi$  to be 3.142 unless the question instructs otherwise.



### 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 the time.
- Try to answer every question.
- Check your answers if you have time at the end.



*You've got this!* 

1. A supermarket sells pasta in two different packs.

Pasta Pack A

500 g  
£1.35

Pasta Pack B

800 g  
£2.08

Which pack gives the better value for money?

Ⓐ  $500\text{ g} = £1.35$   
 $100\text{ g} = £0.27$

Ⓑ  $800\text{ g} = £2.08$   
 $100\text{ g} = £0.26$

**B**

(Total for Question 1 is 2 marks)

2. A pet shop sells rabbit food in two different bags.

Small

2 kg  
£4.80

Large

5 kg  
£11.25

Which bag gives the better value for money?

Ⓢ  
 $2\text{ kg} = £4.80$   
 $1\text{ kg} = £2.40$

Ⓛ  
 $5\text{ kg} = £11.25$   
 $1\text{ kg} = £2.25$

**Large**

(Total for Question 2 is 2 marks)

3. A café has two special offers on muffins.

Offer A

6 muffins for £9.60

Offer B

Buy 2 muffins and get a third muffin free.

Each muffin normally costs £1.70.

Which offer is better value?

(A)

$$6M = £9.60$$

(B)

$$3M = £3.40$$

$$6M = £6.80$$

B

(Total for Question 3 is 3 marks)

4. A garden centre sells compost.

Small bag

25 litres

3 bags for £10.50

Large bag

50 litres

2 bags for £15.80

Which offer gives the better value for money?

(S)

$$75 \text{ litres} = 10.50$$

$$25 \text{ litres} = £3.50$$

(L)

$$100 \text{ litres} = £15.80$$

$$25 \text{ litres} = £3.95$$

Small

(Total for Question 4 is 3 marks)

5. Two supermarkets sell the same washing powder.

Supermarket A

2.4 kg

25% off

Normal price £8.80

Supermarket B

2.4 kg + 20% extra free

Normal price £8.80

Which supermarket gives the better value?

(A)

$$25\% \text{ of } 8.80 = 2.20$$

$$2.4 \text{ kg} = £6.60$$

$$1 \text{ kg} = £2.75$$

(B)

$$20\% \text{ of } 2.4 = 0.48$$

$$2.88 \text{ kg} = £8.80$$

$$1 \text{ kg} = £3.06$$

A

(Total for Question 5 is 3 marks)

6. A supermarket sells olive oil.

Bottle A

750 ml

£5.10

Bottle B

1 litre

£6.95

Which bottle is better value for money?

(A)

$$750 \text{ ml} = £5.10$$

$$147.1 \text{ ml} = £1$$

(B)

$$1000 \text{ ml} = £6.95$$

$$143.9 \text{ ml} = £1$$

A

(Total for Question 6 is 3 marks)

7. Emma needs to buy 48 tennis balls.

Sports World

Pack of 6 balls

£7.20

Active Sports

Pack of 10 balls

£11.80

Emma must buy whole packs.

Which shop should she buy from?

| SW           | AS           |
|--------------|--------------|
| 6B = £7.20   | 10B = £11.80 |
| 48B = £57.60 | 50B = £59    |

Sports World.

(Total for Question 7 is 3 marks)

8. Luca wants 18 rolls of wrapping paper.

Gift Box

3 rolls for £8.70

Party Planet

Pack of 6 rolls

Normal price £16.80

15% off

Which shop is cheaper?

| GB           | PP                   |
|--------------|----------------------|
| 3R = £8.70   | 15% of 16.80 = £2.52 |
| 18R = £52.20 | 6R = £14.28          |
|              | 18R = £42.84         |

Party Planet.

(Total for Question 8 is 3 marks)

9. A school is buying 200 exercise books.

Shop A

Pack of 25

£9.75

Shop B

Pack of 40

£14.80

Buy 4 packs and get the fifth pack half price.

The school can only buy whole packs.

Which shop should they use?

(A)

$$9.75 \times 8 = £78$$

(B)

$$200B = 14.8 \times 4 + 7.40$$
$$= 66.60$$

**B**

.....  
(Total for Question 9 is 3 marks)

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10. Grace wants to buy 60 bottles of water.

Shop A

Pack of 12 bottles

£5.40

Shop B

Pack of 20 bottles

Normal price £8.80

Buy one pack, get a second pack 25% off

Grace must buy whole packs.

Which shop is cheaper?

(A)

$$12B = £5.40$$
$$60B = £27$$

(B)

$$40B = 8 \cdot 80 + 4 \cdot 40$$
$$40B = £13.20$$
$$60B = 13.20 + 8 \cdot 80$$
$$= £22$$

B

.....  
(Total for Question 10 is 4 marks)

11. A shop sells 500 g bags of coffee.

Offer A

30% off

Normal price £6.40

Offer B

500 g + 40% extra free

Price £6.40

Which offer gives the better value for money?

(A)

$$30\% \text{ of } 6.40 = 1.92$$

$$6.40 - 1.92 = 4.48$$

$$500\text{g} = £4.48$$

$$100\text{g} = £0.895$$

(B)

$$40\% \text{ of } 500 = 200$$

$$700\text{g} = £6.40$$

$$100\text{g} = £0.914$$

A

.....  
(Total for Question 11 is 4 marks)

12. Noah is decorating a bedroom.

He needs at least 28 litres of paint.

DIY Warehouse

5-litre tins

£18 each

Paint Centre

8-litre tins

£27 each

Buy 3 tins and get the fourth tin half price.

Noah must buy whole tins.

Which shop should he buy from?

$$\begin{array}{l} \text{DIY} \\ 5L = £18 \\ 30L = £108 \end{array}$$

$$\begin{array}{l} \text{PC} \\ 32L = 27 \times 3 + 13.5 \\ 32L = £94.50 \end{array}$$

Paint centre

(Total for Question 12 is 4 marks)