

# GCSE Mathematics

**F**

## Best Buy Problems

Foundation Tier | Grades 3-5

| Total Marks | Time   | Questions |
|-------------|--------|-----------|
| 64          | 64 min | 20        |

### Instructions:

- Do not use a calculator when you see: 
- Answer all questions in the spaces provided.
- Show all your working - marks are awarded for method as well as final answers.
- Cross through any work you do not want to be marked.
- Check your answers if you have time at the end.

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## Edexcel-style questions

**Q1**

Grade 3

Edexcel style

A pack of 6 yoghurts costs £2.40. Find the price per yoghurt.

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Answer 

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teachably

**[2 marks]****Q2**

Grade 4

Edexcel style

Rice is sold in two sizes: 500 g for £1.50, or 800 g for £2.24. Which is the better buy?

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Answer 

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teachably

**[3 marks]****Q3**

Grade 4

Edexcel style

Shampoo is sold in three sizes: 250 ml for £2.00, 400 ml for £3.00, or 600 ml for £4.20. Which is the best value?

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Answer 

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teachably

**[4 marks]**

**Q4**

Grade 5

Edexcel style

A single can of soda costs £0.65. A multipack of 6 cans costs £3.30. How much cheaper per can is the multipack, compared to buying single cans?

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Answer 

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teachably

**[3 marks]****Q5**

Grade 5

Edexcel style

A shop sells notebooks in packs of 5 for £3.75, or packs of 8 for £5.60. Sara needs exactly 40 notebooks. Find the cheapest way for her to buy them, and the total cost.

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Answer 

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teachably

**[4 marks]**

**AQA-style questions****Q6**

Grade 3

AQA style

A pack of 5 pens costs £2.75. Find the price per pen.

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Answer 

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teachably

**[2 marks]****Q7**

Grade 4

AQA style

Orange juice is sold in two sizes: 1 litre for £1.20, or 1.5 litres for £1.65. Which is the better buy?

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Answer 

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teachably

**[3 marks]****Q8**

Grade 4

AQA style

Pasta is sold in three sizes: 500 g for £0.75, 1 kg for £1.40, or 1.5 kg for £1.95. Which is the best value?

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Answer 

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teachably

**[4 marks]**

**Q9**

Grade 5

AQA style

A single bar of soap costs £1.20. A pack of 4 bars costs £4.00. Is the pack of 4 better value than buying 4 single bars? Justify your answer.

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Answer 

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teachably

**[3 marks]****Q10**

Grade 5

AQA style

A garden centre sells plant pots in bags of 6 for £4.50, or bags of 10 for £7.00. Tom needs exactly 30 plant pots. Find the cheapest way for him to buy them, and the total cost.

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Answer 

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teachably

**[4 marks]**

**OCR-style questions****Q11**

Grade 3

OCR style

A box of 12 eggs costs £3.00. Find the price per egg.

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Answer 

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teachably

**[2 marks]****Q12**

Grade 4

OCR style

Washing powder is sold in two sizes: 2 kg for £4.80, or 3.5 kg for £8.05. Which is the better buy?

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Answer 

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teachably

**[3 marks]****Q13**

Grade 4

OCR style

Cereal is sold in three sizes: 300 g for £1.80, 500 g for £2.75, or 750 g for £3.75. Which is the best value?

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Answer 

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teachably

**[4 marks]**

**Q14**

Grade 5

OCR style

A shop sells apples at £0.30 each, or a bag of 8 apples for £2.00. Which is better value, and by how much per apple?

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Answer 

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teachably

**[3 marks]****Q15**

Grade 5

OCR style

A stationery shop sells pencils in packs of 4 for £1.20, or packs of 15 for £4.05. A school needs exactly 60 pencils. Find the cheapest way to buy them, and the total cost.

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Answer 

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teachably

**[4 marks]**

**Teachably-style questions****Q16**

Grade 3

Teachably style

A pack of 10 batteries costs £4.50. Find the price per battery.

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Answer 

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teachably

**[2 marks]****Q17**

Grade 4

Teachably style

Coffee is sold in two sizes: 200 g for £3.40, or 350 g for £5.60. Which is the better buy?

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Answer 

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teachably

**[3 marks]****Q18**

Grade 4

Teachably style

Laundry detergent is sold in three sizes: 1 litre for £2.50, 2 litres for £4.60, or 3 litres for £6.60. Which is the best value?

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Answer 

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teachably

**[4 marks]**

**Q19**

Grade 5

Teachably style

A single toilet roll costs £0.75. A pack of 9 rolls costs £6.30. How much would you save per roll by buying the pack instead of single rolls?

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Answer 

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teachably

[3 marks]

**Q20**

Grade 5

Teachably style

A bakery sells bread rolls in bags of 6 for £2.10, or bags of 9 for £2.97. A café needs exactly 54 rolls. Find the cheapest way to buy them, and the total cost.

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Answer 

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teachably

[4 marks]

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