3.12 Best Buy Questions: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A market stall sells oranges in bags. Which bag is better value: 4 oranges for 80p or 6 oranges for £1.08? Give the cheaper price per orange.

(Total for Question 1 is 1 mark)

---

2 A packet of 6 cereal bars costs 1.80. Work out the unit price of one cereal bar.

(Total for Question 2 is 1 mark)

---

3 A 750 g packet of couscous costs £2.10. Work out the cost of 1.5 kg of couscous.

(Total for Question 3 is 2 marks)

© Revision Library | revisionlibrary.co.uk

4 A store sells pens at £3.20 each. Offer A is "buy one get one half price". Offer B is "3 for £5". Which offer gives the lowest price per pen? Show working.

(Total for Question 4 is 2 marks)

---

5 A school needs at least 20 exercise books. A shop sells exercise books singly at £1.10, or in packs of 6 for £6.00. Compare the cost of buying 4 packs of 6 with the cost of buying 3 packs of 6 plus 2 single books, and state the cheaper way to get at least 20 books.

(Total for Question 5 is 3 marks)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 3.12 Best Buy Questions: 10-minute Pack

Question 1

Identify 6 for £1.08 is better value, 108/6 = 18p each cao **B1**

Answer: 6 oranges for £1.08 (18p each). 4 for 80p is 20p each, 6 for £1.08 is 18p each (better). 18p cao

Question 2

30p or 0.30 cao **B1**

Answer: 0.30 (30p)

Question 3

Recognise 1.5 kg is 2 times 750 g and multiply: 2.10 * 2 **M1**

£4.20 cao **A1**

Answer: £4.20 (2 × £2.10).

Question 4

Compute effective price: BOGOHalf two pens cost 3.20 + 1.60 = 4.80 so 2.40 each; 3 for £5 gives £1.666... each **M1**

3 for £5 is cheaper, about £1.67 each cao **A1**

Answer: 3 for £5 is cheaper: effective price approx £1.67 per pen (BOGOHalf is £2.40 each).

Question 5

Compute 4 packs of 6: 4 * £6.00 = £24.00 (24 books) **M1**

Compute 3 packs of 6 plus 2 singles: 3 * £6.00 + 2 * £1.10 = £18.00 + £2.20 = £20.20 (20 books) **M1**

3 packs plus 2 singles is cheaper, £20.20 cao **A1**

Answer: 3 packs of 6 plus 2 singles is cheaper: cost = £20.20 (20 books). 4 packs of 6 costs £24.00 (24 books, more than needed).

© Revision Library | revisionlibrary.co.uk