2.100 Money: Change, Budgeting and Multi-Item Costs: Test Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 45 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 How many pence are in £3.45?

- ☐ A) 3,450
- ☐ B) 345
- ☐ C) 34.5
- ☐ D) 3045
- ☐ E) 3450p

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2 A packet costs 85p. Which of these is the cost of 3 packets?

- ☐ A) £3.55
- ☐ B) £0.255
- ☐ C) £2.05
- ☐ D) £2.55
- ☐ E) £2.35

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3 A toy costs £4.99 and a pen costs 45p. What is the total?

- ☐ A) £5.44
- ☐ B) £5.54
- ☐ C) £4.54
- ☐ D) £5.04
- ☐ E) £6.44

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4 Round £3.476 to the nearest penny.

- [ ] A) £3.47
- [ ] B) £3.50
- [ ] C) £3.46
- [ ] D) £3.40
- [ ] E) £3.48

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5 Niamh buys 3 football cards at £1.00 each and 5 stickers at £1.30 each, and pays with £10. How much change does Niamh get?

- [ ] A) £5.70
- [ ] B) £0.50
- [ ] C) £7.70
- [ ] D) £1.50
- [ ] E) £9.50

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6 Imogen buys 6 postcards at £1.00 each and 5 stamps at £1.40 each, and pays with £50. How much change does Imogen get?

- [ ] A) £13.00
- [ ] B) £42.00
- [ ] C) £42.60
- [ ] D) £37.00
- [ ] E) £47.60

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7 Jack buys 3 hot dogs at £1.30 each and 4 ice creams at £1.10 each, and pays with £20. How much change does Jack get?

- [ ] A) £8.30
- [ ] B) £14.30
- [ ] C) £11.70
- [ ] D) £12.70
- [ ] E) £15.00

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8 Add these three items: £1.75, £0.99 and £2.40. Work out the total.

(2)

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9 Maya buys 4 bags of crisps at £0.82 each and 5 chocolate bars at £1.20 each, and pays with £20. How much change does Maya get?

- ☐ A) £15.52
- ☐ B) £10.72
- ☐ C) £13.18
- ☐ D) £10.62
- ☐ E) £9.28

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10 Sana buys 4 notebooks at £0.76 each and 4 pens at £1.85 each, and pays with £50. How much change does Sana get?

- ☐ A) £10.44
- ☐ B) £45.11
- ☐ C) £41.84
- ☐ D) £40.56
- ☐ E) £39.56

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11 Hamza buys 6 bags of crisps at £2.85 each and 4 chocolate bars at £2.99 each, and pays with £50. How much change does Hamza get?

- ☐ A) £20.84
- ☐ B) £29.06
- ☐ C) £20.94
- ☐ D) £29.91
- ☐ E) £35.19

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12 Poppy buys 6 postcards at £3.36 each and 5 stamps at £1.27 each, and pays with £50. How much change does Poppy get?

- [ ] A) £28.57
- [ ] B) £26.51
- [ ] C) £24.49
- [ ] D) £23.49
- [ ] E) £40.29

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13 Chloe buys 2 postcards at £0.80 each and 5 stamps at £0.70 each, and pays with £20. How much change does Chloe get?

- [ ] A) £15.90
- [ ] B) £14.90
- [ ] C) £14.80
- [ ] D) £5.10
- [ ] E) £17.70

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14 Maya buys 5 hot dogs at £0.80 each and 5 ice creams at £0.70 each, and pays with £10. How much change does Maya get?

- [ ] A) £3.50
- [ ] B) £2.50
- [ ] C) £5.30
- [ ] D) £7.50
- [ ] E) £5.70

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15 Grace buys 4 sandwiches at £1.80 each and 6 drinks at £1.10 each, and pays with £50. How much change does Grace get?

- [ ] A) £41.70
- [ ] B) £13.80
- [ ] C) £37.20
- [ ] D) £41.60
- [ ] E) £36.20

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16 Tom buys 5 hot dogs at £0.50 each and 3 ice creams at £1.30 each, and pays with £20. How much change does Tom get?

- [ ] A) £14.60
- [ ] B) £6.40
- [ ] C) £15.60
- [ ] D) £13.60
- [ ] E) £16.20

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17 Arjun buys 3 bags of crisps at £1.59 each and 2 chocolate bars at £2.17 each, and pays with £10. How much change does Arjun get?

- [ ] A) £0.89
- [ ] B) £4.07
- [ ] C) £9.11
- [ ] D) £6.24
- [ ] E) £3.06

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18 Leo buys 4 postcards at £0.73 each and 4 stamps at £0.29 each, and pays with £10. How much change does Leo get?

- [ ] A) £8.98
- [ ] B) £4.08
- [ ] C) £6.92
- [ ] D) £5.92
- [ ] E) £6.79

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19 Dylan buys 5 football cards at £4.38 each and 5 stickers at £1.65 each, and pays with £50. How much change does Dylan get?

- [ ] A) £37.37
- [ ] B) £30.15
- [ ] C) £43.97
- [ ] D) £26.45
- [ ] E) £19.85

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20 Rhys buys 3 hot dogs at £0.75 each and 3 ice creams at £2.96 each, and pays with £50. How much change does Rhys get?

- [ ] A) £11.13
- [ ] B) £39.87
- [ ] C) £44.79
- [ ] D) £40.37
- [ ] E) £38.87

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21 Rhys buys 3 hot dogs at £1.80 each and 5 ice creams at £0.70 each, and pays with £10. How much change does Rhys get?

- [ ] A) £1.10
- [ ] B) £8.90
- [ ] C) £3.90
- [ ] D) £1.00
- [ ] E) £7.50

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22 Megan buys 3 bags of crisps at £1.70 each and 2 chocolate bars at £1.20 each, and pays with £20. How much change does Megan get?

- [ ] A) £7.50
- [ ] B) £12.40
- [ ] C) £12.50
- [ ] D) £13.70
- [ ] E) £13.50

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23 Dylan buys 2 bags of crisps at £1.90 each and 4 chocolate bars at £1.30 each, and pays with £10. How much change does Dylan get?

- [ ] A) £1.00
- [ ] B) £9.00
- [ ] C) £6.80
- [ ] D) £4.90
- [ ] E) £2.90

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24 Liam has £30. He buys a jumper for £9.60, trousers costing £8.75 which have a 15% discount, and shoes for £12.50. Calculate how much change he receives. Show all steps and give the answer to the nearest penny.

(4)

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25 Ethan buys 2 sandwiches at £1.90 each and 2 drinks at £1.10 each, and pays with £10. How much change does Ethan get?

- ☐ A) £5.90
- ☐ B) £6.00
- ☐ C) £3.90
- ☐ D) £5.10
- ☐ E) £4.00

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26 Chloe buys 2 football cards at £1.60 each and 3 stickers at £1.00 each, and pays with £20. How much change does Chloe get?

- ☐ A) £15.40
- ☐ B) £14.80
- ☐ C) £15.80
- ☐ D) £6.20
- ☐ E) £13.80

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27 Four friends share a taxi fare of £15.60 equally. How much does each friend pay?

- ☐ A) £5.20
- ☐ B) £3.90
- ☐ C) £15.60
- ☐ D) £39.00
- ☐ E) £3.12

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28 A pack of 8 identical pens costs £3.20. Work out the cost of 5 of these pens.

(2)

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29 A cashier needs to give exactly 85p change using the fewest coins possible. Which coins should be used, and how many coins is that in total?

(2)

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30 A school tuck shop has a budget of £60.00 to restock. Juice cartons cost 45p each, and the shop buys exactly 40 cartons. Biscuit packets cost 65p each, and the shop spends as much of the remaining budget as possible on whole packets of biscuits. How many biscuit packets can the shop buy, and how much of the £60.00 budget is left over?

(5)

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31 Declan buys 6 notebooks at £3.05 each and 3 pens at £1.62 each, and pays with £50. How much change does Declan get?

- ☐ A) £30.08
- ☐ B) £23.16
- ☐ C) £26.84
- ☐ D) £45.33
- ☐ E) £27.84

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32 Hamza buys 3 hot dogs at £1.00 each and 2 ice creams at £0.60 each, and pays with £20. How much change does Hamza get?

- [ ] A) £18.40
- [ ] B) £15.80
- [ ] C) £16.80
- [ ] D) £16.40
- [ ] E) £4.20

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33 Noah buys 5 sandwiches at £1.80 each and 3 drinks at £1.40 each, and pays with £20. How much change does Noah get?

- [ ] A) £14.00
- [ ] B) £6.70
- [ ] C) £9.60
- [ ] D) £13.20
- [ ] E) £6.80

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34 Chloe buys 2 bags of crisps at £3.69 each and 6 chocolate bars at £2.04 each, and pays with £20. How much change does Chloe get?

- [ ] A) £10.58
- [ ] B) £0.38
- [ ] C) £19.62
- [ ] D) £0.28
- [ ] E) £4.07

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35 Poppy buys 3 football cards at £1.30 each and 6 stickers at £0.80 each, and pays with £20. How much change does Poppy get?

- [ ] A) £13.90
- [ ] B) £15.30
- [ ] C) £11.30
- [ ] D) £11.20
- [ ] E) £8.70

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36 Esme buys 5 football cards at £0.67 each and 5 stickers at £1.56 each, and pays with £20. How much change does Esme get?

- [ ] A) £8.85
- [ ] B) £11.53
- [ ] C) £15.09
- [ ] D) £9.85
- [ ] E) £11.15

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37 Ffion buys 2 football cards at £0.49 each and 6 stickers at £1.65 each, and pays with £20. How much change does Ffion get?

- [ ] A) £10.88
- [ ] B) £17.37
- [ ] C) £9.02
- [ ] D) £17.86
- [ ] E) £9.12

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38 Aisha buys 5 hot dogs at £3.58 each and 2 ice creams at £1.17 each, and pays with £50. How much change does Aisha get?

- [ ] A) £20.24
- [ ] B) £29.76
- [ ] C) £29.66
- [ ] D) £30.93
- [ ] E) £45.25

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39 Lily buys 2 postcards at £4.18 each and 6 stamps at £1.01 each, and pays with £50. How much change does Lily get?

- [ ] A) £40.63
- [ ] B) £14.42
- [ ] C) £35.48
- [ ] D) £39.76
- [ ] E) £35.58

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40 Sienna buys 6 football cards at £0.50 each and 6 stickers at £1.20 each, and pays with £20. How much change does Sienna get?

- [ ] A) £10.20
- [ ] B) £15.80
- [ ] C) £9.80
- [ ] D) £18.30
- [ ] E) £12.30

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Mark scheme · 2.100 Money: Change, Budgeting and Multi-Item Costs: Test Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

correct option B (345) cao **B1**

Answer: B) 345

Question 2

correct option D (£2.55) cao **B1**

Answer: D) £2.55

Question 3

correct option A (£5.44) cao **B1**

Answer: A) £5.44

Question 4

correct option E (£3.48) cao **B1**

Answer: E) £3.48

Question 5

correct option B (£0.50) cao **B1**

Answer: B) £0.50

Question 6

correct option D (£37.00) cao **B1**

Answer: D) £37.00

Question 7

correct option C (£11.70) cao **B1**

Answer: C) £11.70

Question 8

correct addition method seen (or grouping to make whole pounds) **M1**

£5.14 cao **A1**

Answer: £5.14

Question 9

correct option B (£10.72) cao **B1**

Answer: B) £10.72

Question 10

correct option E (£39.56) cao **B1**

Answer: E) £39.56

Question 11

correct option C (£20.94) cao **B1**

Answer: C) £20.94

Question 12

correct option D (£23.49) cao **B1**

Answer: D) £23.49

Question 13

correct option B (£14.90) cao **B1**

Answer: B) £14.90

Question 14

correct option B (£2.50) cao **B1**

Answer: B) £2.50

Question 15

correct option E (£36.20) cao **B1**

Answer: E) £36.20

Question 16

correct option D (£13.60) cao **B1**

Answer: D) £13.60

Question 17

correct option A (£0.89) cao **B1**

Answer: A) £0.89

Question 18

correct option D (£5.92) cao **B1**

Answer: D) £5.92

Question 19

correct option E (£19.85) cao **B1**

Answer: E) £19.85

Question 20

correct option E (£38.87) cao **B1**

Answer: E) £38.87

Question 21

correct option A (£1.10) cao **B1**

Answer: A) £1.10

Question 22

correct option C (£12.50) cao **B1**

Answer: C) £12.50

Question 23

correct option A (£1.00) cao **B1**

Answer: A) £1.00

Question 24

correct method to find 15% of the trousers price or to multiply by 0.85 **M1**

correct discounted trousers price calculated (8.75 x 0.85 = 7.4375 -> £7.44) **M1**

correct addition of jumper, discounted trousers and shoes to find total (9.60 + 7.44 + 12.50 = 29.54) **M1**

£0.46 change cao **A1**

Answer: £0.46

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Question 25

correct option E (£4.00) cao **B1**

Answer: E) £4.00

Question 26

correct option E (£13.80) cao **B1**

Answer: E) £13.80

Question 27

correct option B (£3.90) cao **B1**

Answer: B) £3.90

Question 28

unit price found: £3.20 / 8 = 40p seen **M1**

£2.00 cao **A1**

Answer: £2.00

Question 29

correct combination identified: 50p + 20p + 10p + 5p **M1**

4 coins cao **A1**

Answer: 50p + 20p + 10p + 5p = 4 coins

Question 30

cost of the juice cartons found: 40 x 45p = £18.00 seen **M1**

remaining budget found: £60.00 - £18.00 = £42.00 seen **M1**

correct division attempted: £42.00 / £0.65 = 64.6... seen **M1**

64 packets identified (whole packets only) cao **A1**

£0.40 left over cao **A1**

Answer: 64 packets, with £0.40 left over.

Question 31

correct option C (£26.84) cao **B1**

Answer: C) £26.84

Question 32

correct option B (£15.80) cao **B1**

Answer: B) £15.80

Question 33

correct option E (£6.80) cao **B1**

Answer: E) £6.80

Question 34

correct option B (£0.38) cao **B1**

Answer: B) £0.38

Question 35

correct option C (£11.30) cao **B1**

Answer: C) £11.30

Question 36

correct option A (£8.85) cao **B1**

Answer: A) £8.85

Question 37

correct option E (£9.12) cao **B1**

Answer: E) £9.12

Question 38

correct option B (£29.76) cao **B1**

Answer: B) £29.76

Question 39

correct option E (£35.58) cao **B1**

Answer: E) £35.58

Question 40

correct option C (£9.80) cao **B1**

Answer: C) £9.80

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