2.8-3 Money and Financial Problems: Practice Set 3: 1-hour Pack

GL ASSESSMENT GL · Calculators not allowed · about 60 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Kofi works at a cinema for £9 an hour. One week Kofi works 40 normal hours and 5 overtime hours paid at time and a half (1.5 times the normal rate). How much does Kofi earn that week?

- ☐ A) £367.50
- ☐ B) £360.00
- ☐ C) £405.00
- ☐ D) £427.50
- ☐ E) £450.00

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2 Kofi makes 80 plant pots for £1.18 each and sells them all for £2.16 each. Kofi also pays £10 for a stall. How much profit does Kofi make?

- ☐ A) £0.98
- ☐ B) £67.40
- ☐ C) £172.80
- ☐ D) £78.40
- ☐ E) £68.40

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3 A book costs £9. In a sale, it is reduced by 1/3 of its price. Work out the sale price.

- ☐ A) 3.00
- ☐ B) 5.00
- ☐ C) 6.00
- ☐ D) 6.75
- ☐ E) 7.50

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4 Harry puts £600 in a savings account paying 6% simple interest per year. How much interest has Harry earned after 5 years?

- [ ] A) £18,000
- [ ] B) £780
- [ ] C) £180
- [ ] D) £179
- [ ] E) £36

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5 Rhys works at a bike shop for £18 an hour. One week Rhys works 25 normal hours and 6 overtime hours paid at time and a half (1.5 times the normal rate). How much does Rhys earn that week?

- [ ] A) £612.00
- [ ] B) £666.00
- [ ] C) £613.00
- [ ] D) £558.00
- [ ] E) £837.00

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6 Ffion puts £1,200 in an account paying 3% compound interest per year. How much interest is earned after 2 years?

- [ ] A) £36.00
- [ ] B) £72.00
- [ ] C) £1,273.08
- [ ] D) £73.08
- [ ] E) £72.08

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7 Kwame works at a cinema for £14 an hour. One week Kwame works 28 normal hours and 7 overtime hours paid at time and a half (1.5 times the normal rate). How much does Kwame earn that week?

- [ ] A) £402.50
- [ ] B) £588.00
- [ ] C) £490.00
- [ ] D) £539.00
- [ ] E) £735.00

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8 Dylan makes 76 friendship bracelets for £2.88 each and sells them all for £3.08 each. How much profit does Dylan make?

- [ ] A) £231.20
- [ ] B) £452.96
- [ ] C) £15.20
- [ ] D) £0.20
- [ ] E) £234.08

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9 Niamh works at a cinema for £9 an hour. One week Niamh works 36 normal hours and 6 overtime hours paid at time and a half (1.5 times the normal rate). How much does Niamh earn that week?

- [ ] A) £378.00
- [ ] B) £567.00
- [ ] C) £404.00
- [ ] D) £405.00
- [ ] E) £432.00

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10 Sienna makes 15 friendship bracelets for £1.14 each and sells them all for £2.01 each. How much profit does Sienna make?

- [ ] A) £12.05
- [ ] B) £13.05
- [ ] C) £0.87
- [ ] D) £30.15
- [ ] E) £29.01

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11 Ethan puts £500 in a savings account paying 2.5% simple interest per year. How much interest has Ethan earned after 2 years?

- [ ] A) £12.50
- [ ] B) £525.00
- [ ] C) £25.00
- [ ] D) £24.00
- [ ] E) £26.00

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12 Anya works at a garden centre for £10 an hour. One week Anya works 10 normal hours and 4 overtime hours paid at time and a half (1.5 times the normal rate). How much does Anya earn that week?

- [ ] A) £160
- [ ] B) £161
- [ ] C) £210
- [ ] D) £140
- [ ] E) £180

---

13 Hamza makes 20 jars of jam for £2.93 each and sells them all for £3.78 each. How much profit does Hamza make?

- [ ] A) £17.00
- [ ] B) £58.60
- [ ] C) £0.85
- [ ] D) £75.60
- [ ] E) £16.00

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14 Dylan puts £400 in a savings account paying 6% simple interest per year. How much interest has Dylan earned after 2 years?

- [ ] A) £448.00
- [ ] B) £48.00
- [ ] C) £26.00
- [ ] D) £24.00
- [ ] E) £47.00

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15 Esme works at a cinema for £18 an hour. One week Esme works 40 normal hours and 4 overtime hours paid at time and a half (1.5 times the normal rate). How much does Esme earn that week?

- [ ] A) £792.00
- [ ] B) £864.00
- [ ] C) £720.00
- [ ] D) £828.00
- [ ] E) £1,188.00

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16 Ravi makes 39 cupcakes for £1.41 each and sells them all for £1.95 each. Ravi also pays £20 for a stall. How much profit does Ravi make?

- [ ] A) £1.06
- [ ] B) £0.06
- [ ] C) £21.06
- [ ] D) £0.54
- [ ] E) £76.05

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17 Ffion puts £800 in a savings account paying 4% simple interest per year. How much interest has Ffion earned after 4 years?

- [ ] A) £32.00
- [ ] B) £128.00
- [ ] C) £127.00
- [ ] D) £12,800.00
- [ ] E) £928.00

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18 Imogen works at a garden centre for £8 an hour. One week Imogen works 18 normal hours and 8 overtime hours paid at time and a half (1.5 times the normal rate). How much does Imogen earn that week?

- [ ] A) £144
- [ ] B) £241
- [ ] C) £208
- [ ] D) £272
- [ ] E) £240

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19 Mei works at a cafe for £8 an hour. One week Mei works 39 normal hours and 5 overtime hours paid at time and a half (1.5 times the normal rate). How much does Mei earn that week?

- [ ] A) £372.00
- [ ] B) £319.50
- [ ] C) £392.00
- [ ] D) £352.00
- [ ] E) £373.00

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20 Tom puts £800 in a savings account paying 3% simple interest per year. How much interest has Tom earned after 3 years?

- [ ] A) £7,200.00
- [ ] B) £872.00
- [ ] C) £71.00
- [ ] D) £24.00
- [ ] E) £72.00

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21 Zara saves £2.50 each week. Work out the smallest number of weeks needed for her total savings to reach at least £15.

- [ ] A) 5
- [ ] B) 6
- [ ] C) 7
- [ ] D) 8
- [ ] E) 10

---

22 Noah puts £600 in a savings account paying 2.5% simple interest per year. How much interest has Noah earned after 5 years?

- [ ] A) £15.00
- [ ] B) £675.00
- [ ] C) £75.00
- [ ] D) £7,500.00
- [ ] E) £74.00

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23 Ethan works at a cinema for £18 an hour. One week Ethan works 13 normal hours and 3 overtime hours paid at time and a half (1.5 times the normal rate). How much does Ethan earn that week?

- [ ] A) £234.00
- [ ] B) £315.00
- [ ] C) £288.00
- [ ] D) £432.00
- [ ] E) £342.00

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24 Zainab makes 19 jars of jam for £0.49 each and sells them all for £1.81 each. How much profit does Zainab make?

- [ ] A) £26.08
- [ ] B) £34.39
- [ ] C) £25.08
- [ ] D) £1.32
- [ ] E) £43.70

---

25 Tom works at a cafe for £8 an hour. One week Tom works 22 normal hours and 2 overtime hours paid at time and a half (1.5 times the normal rate). How much does Tom earn that week?

- [ ] A) £199
- [ ] B) £179
- [ ] C) £200
- [ ] D) £208
- [ ] E) £192

---

26 Kwame makes 66 jars of jam for £2.33 each and sells them all for £3.29 each. Kwame also pays £5 for a stall. How much profit does Kwame make?

- [ ] A) £59.36
- [ ] B) £0.96
- [ ] C) £58.36
- [ ] D) £217.14
- [ ] E) £57.36

---

27 Jack works at a bike shop for £20 an hour. One week Jack works 25 normal hours and 8 overtime hours paid at time and a half (1.5 times the normal rate). How much does Jack earn that week?

- [ ] A) £500
- [ ] B) £512
- [ ] C) £660
- [ ] D) £740
- [ ] E) £820

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28 Jack puts £2,000 in a savings account paying 3% simple interest per year. How much interest has Jack earned after 2 years?

- [ ] A) £119.00
- [ ] B) £60.00
- [ ] C) £120.00
- [ ] D) £62.00
- [ ] E) £2,120.00

---

29 Kofi makes 37 cupcakes for £0.40 each and sells them all for £1.70 each. Kofi also pays £10 for a stall. How much profit does Kofi make?

- [ ] A) £37.10
- [ ] B) £62.90
- [ ] C) £1.30
- [ ] D) £14.80
- [ ] E) £38.10

---

30 Aisha buys 2 sandwiches at £1.85 each and a bottle of water for 90p. Work out the total amount she spends.

- [ ] A) 3.70
- [ ] B) 4.40
- [ ] C) 4.60
- [ ] D) 4.70
- [ ] E) 5.50

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31 Rhys puts £600 in an account paying 6% compound interest per year. How much interest is earned after 2 years?

- [ ] A) £75.16
- [ ] B) £7,200.00
- [ ] C) £74.16
- [ ] D) £36.00
- [ ] E) £72.00

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32 Maya makes 18 plant pots for £1.72 each and sells them all for £2.31 each. How much profit does Maya make?

- [ ] A) £41.58
- [ ] B) £10.62
- [ ] C) £72.54
- [ ] D) £30.96
- [ ] E) £0.59

---

33 Mei puts £600 in a savings account paying 2% simple interest per year. How much interest has Mei earned after 5 years?

- [ ] A) £12
- [ ] B) £60
- [ ] C) £660
- [ ] D) £61
- [ ] E) £17

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34 Hamza works at a bike shop for £20 an hour. One week Hamza works 14 normal hours and 6 overtime hours paid at time and a half (1.5 times the normal rate). How much does Hamza earn that week?

- [ ] A) £280
- [ ] B) £400
- [ ] C) £460
- [ ] D) £600
- [ ] E) £520

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35 Kwame puts £1,500 in a savings account paying 1.5% simple interest per year. How much interest has Kwame earned after 4 years?

- [ ] A) £89.00
- [ ] B) £91.00
- [ ] C) £90.00
- [ ] D) £1,590.00
- [ ] E) £22.50

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36 Noah works at a garden centre for £8 an hour. One week Noah works 31 normal hours and 3 overtime hours paid at time and a half (1.5 times the normal rate). How much does Noah earn that week?

- [ ] A) £272.00
- [ ] B) £408.00
- [ ] C) £284.00
- [ ] D) £252.50
- [ ] E) £296.00

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37 Oliver makes 56 plant pots for £1.85 each and sells them all for £2.35 each. How much profit does Oliver make?

- [ ] A) £28.00
- [ ] B) £131.60
- [ ] C) £129.75
- [ ] D) £27.00
- [ ] E) £0.50

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38 A toy shop buys teddy bears for £4 each and sells them for £7 each. Work out the total profit made from selling 5 teddy bears.

- [ ] A) 3.00
- [ ] B) 12.00
- [ ] C) 15.00
- [ ] D) 20.00
- [ ] E) 35.00

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39 Declan works at a garden centre for £10 an hour. One week Declan works 30 normal hours and 3 overtime hours paid at time and a half (1.5 times the normal rate). How much does Declan earn that week?

- [ ] A) £346.00
- [ ] B) £345.00
- [ ] C) £300.00
- [ ] D) £330.00
- [ ] E) £360.00

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40 Hamza makes 32 jars of jam for £0.24 each and sells them all for £0.70 each. How much profit does Hamza make?

- [ ] A) £22.40
- [ ] B) £0.46
- [ ] C) £14.72
- [ ] D) £7.68
- [ ] E) £22.16

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41 Ffion puts £1,200 in a savings account paying 1.5% simple interest per year. How much interest has Ffion earned after 5 years?

- [ ] A) £1,290
- [ ] B) £90
- [ ] C) £89
- [ ] D) £18
- [ ] E) £91

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42 Harry works at a bike shop for £20 an hour. One week Harry works 30 normal hours and 4 overtime hours paid at time and a half (1.5 times the normal rate). How much does Harry earn that week?

- [ ] A) £760
- [ ] B) £720
- [ ] C) £606
- [ ] D) £721
- [ ] E) £680

---

43 Harry puts £2,000 in a savings account paying 1.5% simple interest per year. How much interest has Harry earned after 5 years?

- [ ] A) £151
- [ ] B) £30
- [ ] C) £35
- [ ] D) £2,150
- [ ] E) £150

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44 Hamza makes 12 friendship bracelets for £2.77 each and sells them all for £3.68 each. How much profit does Hamza make?

- [ ] A) £0.91
- [ ] B) £10.92
- [ ] C) £44.16
- [ ] D) £77.40
- [ ] E) £33.24

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45 Kwame makes 10 cupcakes for £1.87 each and sells them all for £3.30 each. Kwame also pays £20 for a stall. How much profit does Kwame make?

- [ ] A) £-6.70
- [ ] B) £34.30
- [ ] C) £33.00
- [ ] D) £1.43
- [ ] E) £-5.70

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46 Imogen puts £200 in a savings account paying 6% simple interest per year. How much interest has Imogen earned after 2 years?

- [ ] A) £12.00
- [ ] B) £23.00
- [ ] C) £24.00
- [ ] D) £24.72
- [ ] E) £224.00

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47 Yusuf works at a garden centre for £20 an hour. One week Yusuf works 17 normal hours and 7 overtime hours paid at time and a half (1.5 times the normal rate). How much does Yusuf earn that week?

- [ ] A) £551.00
- [ ] B) £550.00
- [ ] C) £549.00
- [ ] D) £480.00
- [ ] E) £620.00

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48 Anya makes 39 friendship bracelets for £0.20 each and sells them all for £0.61 each. How much profit does Anya make?

- [ ] A) £0.41
- [ ] B) £23.79
- [ ] C) £15.99
- [ ] D) £31.59
- [ ] E) £23.59

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49 Fatima puts £1,000 in a savings account paying 4% simple interest per year. How much interest has Fatima earned after 5 years?

- [ ] A) £45
- [ ] B) £40
- [ ] C) £199
- [ ] D) £1,200
- [ ] E) £200

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50 Imogen works at a bike shop for £18 an hour. One week Imogen works 15 normal hours and 2 overtime hours paid at time and a half (1.5 times the normal rate). How much does Imogen earn that week?

- [ ] A) £273.00
- [ ] B) £324.00
- [ ] C) £323.00
- [ ] D) £306.00
- [ ] E) £342.00

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51 Ben puts £500 in an account paying 5% compound interest per year. How much interest is earned after 2 years?

- [ ] A) £25.00
- [ ] B) £5,000.00
- [ ] C) £50.00
- [ ] D) £52.25
- [ ] E) £51.25

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52 Kwame works at a garden centre for £18 an hour. One week Kwame works 37 normal hours and 3 overtime hours paid at time and a half (1.5 times the normal rate). How much does Kwame earn that week?

- [ ] A) £1,080.00
- [ ] B) £720.00
- [ ] C) £747.00
- [ ] D) £748.00
- [ ] E) £774.00

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53 Fatima makes 72 plant pots for £0.83 each and sells them all for £1.06 each. How much profit does Fatima make?

- [ ] A) £0.23
- [ ] B) £136.08
- [ ] C) £16.56
- [ ] D) £76.32
- [ ] E) £15.56

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54 Poppy puts £600 in a savings account paying 5% simple interest per year. How much interest has Poppy earned after 4 years?

- [ ] A) £120
- [ ] B) £720
- [ ] C) £119
- [ ] D) £34
- [ ] E) £30

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55 Grace works at a cinema for £16 an hour. One week Grace works 39 normal hours and 3 overtime hours paid at time and a half (1.5 times the normal rate). How much does Grace earn that week?

- [ ] A) £720.00
- [ ] B) £695.00
- [ ] C) £696.00
- [ ] D) £672.00
- [ ] E) £1,008.00

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56 Declan makes 55 plant pots for £0.20 each and sells them all for £2.01 each. Declan also pays £10 for a stall. How much profit does Declan make?

- [ ] A) £110.55
- [ ] B) £89.55
- [ ] C) £11.00
- [ ] D) £1.81
- [ ] E) £99.55

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57 Maya puts £1,500 in a savings account paying 5% simple interest per year. How much interest has Maya earned after 5 years?

- [ ] A) £375.00
- [ ] B) £1,875.00
- [ ] C) £75.00
- [ ] D) £37,500.00
- [ ] E) £376.00

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58 Imogen works at a bike shop for £8 an hour. One week Imogen works 38 normal hours and 4 overtime hours paid at time and a half (1.5 times the normal rate). How much does Imogen earn that week?

- [ ] A) £336.00
- [ ] B) £368.00
- [ ] C) £352.00
- [ ] D) £304.00
- [ ] E) £353.00

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59 Fatima makes 53 plant pots for £2.51 each and sells them all for £3.88 each. How much profit does Fatima make?

- [ ] A) £205.64
- [ ] B) £203.13
- [ ] C) £72.61
- [ ] D) £1.37
- [ ] E) £71.61

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60 Sana works at a cinema for £12 an hour. One week Sana works 40 normal hours and 6 overtime hours paid at time and a half (1.5 times the normal rate). How much does Sana earn that week?

- ☐ A) £552.00
- ☐ B) £588.00
- ☐ C) £828.00
- ☐ D) £624.00
- ☐ E) £489.00

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61 A shop buys a jigsaw puzzle for £6. It sells the puzzle for £6 plus 50% profit. In a sale, the puzzle is then reduced by 10% of its selling price. Work out the final sale price.

(3)

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62 Nadia buys a bag of crisps for 55p and an apple for 40p. Work out the total cost.

- ☐ A) 95p
- ☐ B) 90p
- ☐ C) £1.05
- ☐ D) 85p
- ☐ E) £1.00

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Mark scheme · 2.8-3 Money and Financial Problems: Practice Set 3: 1-hour Pack

Question 1

correct option D (£427.50) cao **B1**

Answer: D) £427.50

Question 2

correct option E (£68.40) cao **B1**

Answer: E) £68.40

Question 3

C) 6.00 - correct answer **B1**

Answer: £6.00

Question 4

correct option C (£180) cao **B1**

Answer: C) £180

Question 5

correct option A (£612.00) cao **B1**

Answer: A) £612.00

Question 6

correct option D (£73.08) cao **B1**

Answer: D) £73.08

Question 7

correct option D (£539.00) cao **B1**

Answer: D) £539.00

Question 8

correct option C (£15.20) cao **B1**

Answer: C) £15.20

Question 9

correct option D (£405.00) cao **B1**

Answer: D) £405.00

Question 10

correct option B (£13.05) cao **B1**

Answer: B) £13.05

Question 11

correct option C (£25.00) cao **B1**

Answer: C) £25.00

Question 12

correct option A (£160) cao **B1**

Answer: A) £160

Question 13

correct option A (£17.00) cao **B1**

Answer: A) £17.00

Question 14

correct option B (£48.00) cao **B1**

Answer: B) £48.00

Question 15

correct option D (£828.00) cao **B1**

Answer: D) £828.00

Question 16

correct option A (£1.06) cao **B1**

Answer: A) £1.06

Question 17

correct option B (£128.00) cao **B1**

Answer: B) £128.00

Question 18

correct option E (£240) cao **B1**

Answer: E) £240

Question 19

correct option A (£372.00) cao **B1**

Answer: A) £372.00

Question 20

correct option E (£72.00) cao **B1**

Answer: E) £72.00

Question 21

B) 6 - correct answer **B1**

Answer: 6 weeks

Question 22

correct option C (£75.00) cao **B1**

Answer: C) £75.00

Question 23

correct option B (£315.00) cao **B1**

Answer: B) £315.00

Question 24

correct option C (£25.08) cao **B1**

Answer: C) £25.08

Question 25

correct option C (£200) cao **B1**

Answer: C) £200

Question 26

correct option C (£58.36) cao **B1**

Answer: C) £58.36

Question 27

correct option D (£740) cao **B1**

Answer: D) £740

Question 28

correct option C (£120.00) cao **B1**

Answer: C) £120.00

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Question 29

correct option E (£38.10) cao **B1**

Answer: E) £38.10

Question 30

C) 4.60 - correct answer **B1**

Answer: £4.60

Question 31

correct option C (£74.16) cao **B1**

Answer: C) £74.16

Question 32

correct option B (£10.62) cao **B1**

Answer: B) £10.62

Question 33

correct option B (£60) cao **B1**

Answer: B) £60

Question 34

correct option C (£460) cao **B1**

Answer: C) £460

Question 35

correct option C (£90.00) cao **B1**

Answer: C) £90.00

Question 36

correct option C (£284.00) cao **B1**

Answer: C) £284.00

Question 37

correct option A (£28.00) cao **B1**

Answer: A) £28.00

Question 38

C) 15.00 - correct answer **B1**

Answer: £15.00

Question 39

correct option B (£345.00) cao **B1**

Answer: B) £345.00

Question 40

correct option C (£14.72) cao **B1**

Answer: C) £14.72

Question 41

correct option B (£90) cao **B1**

Answer: B) £90

Question 42

correct option B (£720) cao **B1**

Answer: B) £720

Question 43

correct option E (£150) cao **B1**

Answer: E) £150

Question 44

correct option B (£10.92) cao **B1**

Answer: B) £10.92

Question 45

correct option E (£-5.70) cao **B1**

Answer: E) £-5.70

Question 46

correct option C (£24.00) cao **B1**

Answer: C) £24.00

Question 47

correct option B (£550.00) cao **B1**

Answer: B) £550.00

Question 48

correct option C (£15.99) cao **B1**

Answer: C) £15.99

Question 49

correct option E (£200) cao **B1**

Answer: E) £200

Question 50

correct option B (£324.00) cao **B1**

Answer: B) £324.00

Question 51

correct option E (£51.25) cao **B1**

Answer: E) £51.25

Question 52

correct option C (£747.00) cao **B1**

Answer: C) £747.00

Question 53

correct option C (£16.56) cao **B1**

Answer: C) £16.56

Question 54

correct option A (£120) cao **B1**

Answer: A) £120

Question 55

correct option C (£696.00) cao **B1**

Answer: C) £696.00

Question 56

correct option B (£89.55) cao **B1**

Answer: B) £89.55

Question 57

correct option A (£375.00) cao **B1**

Answer: A) £375.00

Question 58

correct option C (£352.00) cao **B1**

Answer: C) £352.00

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Question 59

correct option C (£72.61) cao	**B1**

Answer: C) £72.61

Question 60

correct option B (£588.00) cao	**B1**

Answer: B) £588.00

Question 61

selling price before the sale = £9.00	**M1**
10% of 9.00 = 0.90, ft	**M1**
8.10 cao	**A1**

Answer: £8.10

Question 62

A) 95p - correct answer	**B1**

Answer: 95p

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