2.84 Negative Numbers in Context: 2-hour Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Rhys's account is overdrawn by £50, which is a balance of -£50. Rhys pays in £45 and then spends £80. What is the new balance?

- ☐ A) -£86
- ☐ B) -£175
- ☐ C) -£35
- ☐ D) £15
- ☐ E) -£85

---

2 What is -2 - 17?

- ☐ A) -18
- ☐ B) -20
- ☐ C) 19
- ☐ D) -19
- ☐ E) 15

---

3 At 6 am the temperature in Cardiff was -2°C. By 2 pm it was 2°C. By how many degrees did it rise?

- ☐ A) 4°C
- ☐ B) 5°C
- ☐ C) 3°C
- ☐ D) -4°C
- ☐ E) 0°C

© Revision Library | revisionlibrary.co.uk

4 Noah's account is overdrawn by £265, which is a balance of -£265. Noah pays in £15 and then spends £45. What is the new balance?

- [ ] A) -£296
- [ ] B) -£205
- [ ] C) -£295
- [ ] D) -£325
- [ ] E) £235

---

5 What is 20 + 19?

- [ ] A) 39
- [ ] B) 40
- [ ] C) 38
- [ ] D) 1
- [ ] E) -39

---

6 At 6 am the temperature in Norwich was -1°C. By 2 pm it was 18°C. By how many degrees did it rise?

- [ ] A) -19°C
- [ ] B) 19°C
- [ ] C) 20°C
- [ ] D) 18°C
- [ ] E) 17°C

---

7 Jack's account is overdrawn by £230, which is a balance of -£230. Jack pays in £155 and then spends £100. What is the new balance?

- [ ] A) -£485
- [ ] B) -£175
- [ ] C) £285
- [ ] D) £25
- [ ] E) -£176

© Revision Library | revisionlibrary.co.uk

8 What is 1 + 12?

- [ ] A) -11
- [ ] B) 14
- [ ] C) -13
- [ ] D) 13
- [ ] E) 12

---

9 Aisha's account is overdrawn by £150, which is a balance of -£150. Aisha pays in £165 and then spends £175. What is the new balance?

- [ ] A) £140
- [ ] B) £160
- [ ] C) -£490
- [ ] D) -£160
- [ ] E) -£161

---

10 What is 20 - 18?

- [ ] A) -38
- [ ] B) -2
- [ ] C) 38
- [ ] D) 1
- [ ] E) 2

---

11 The temperature in Inverness is 8°C. It falls by 5 degrees. What is the new temperature?

- [ ] A) 3°C
- [ ] B) -3°C
- [ ] C) -13°C
- [ ] D) 13°C
- [ ] E) 2°C

© Revision Library | revisionlibrary.co.uk

12 What is -5 - 3?

- [ ] A) -2
- [ ] B) -9
- [ ] C) 8
- [ ] D) -8
- [ ] E) -7

---

13 The temperature in Cardiff is 9°C. It falls by 11 degrees. What is the new temperature?

- [ ] A) -3°C
- [ ] B) -20°C
- [ ] C) 20°C
- [ ] D) 2°C
- [ ] E) -2°C

---

14 Fatima's account is overdrawn by £225, which is a balance of -£225. Fatima pays in £85 and then spends £155. What is the new balance?

- [ ] A) £155
- [ ] B) -£295
- [ ] C) -£465
- [ ] D) £295
- [ ] E) -£296

---

15 A weather station records 3 degrees. During the day it warms by 8 degrees and then by a further 9 degrees. What is the temperature at the end of the day?

- [ ] A) 20°C
- [ ] B) 12°C
- [ ] C) 17°C
- [ ] D) 2°C
- [ ] E) 11°C

© Revision Library | revisionlibrary.co.uk

16 What is -7 - 9?

- [ ] A) -16
- [ ] B) -17
- [ ] C) -15
- [ ] D) 16
- [ ] E) 2

---

17 At 6 am the temperature in Carlisle was -7°C. By 2 pm it was 12°C. By how many degrees did it rise?

- [ ] A) 20°C
- [ ] B) -19°C
- [ ] C) 19°C
- [ ] D) 18°C
- [ ] E) 5°C

---

18 Fatima's account is overdrawn by £50, which is a balance of -£50. Fatima pays in £40 and then spends £165. What is the new balance?

- [ ] A) -£175
- [ ] B) £175
- [ ] C) -£75
- [ ] D) -£125
- [ ] E) -£255

---

19 The temperature in Carlisle is -5°C. It rises by 4 degrees. What is the new temperature?

- [ ] A) 0°C
- [ ] B) -9°C
- [ ] C) -1°C
- [ ] D) -2°C
- [ ] E) 9°C

© Revision Library | revisionlibrary.co.uk

20 Sienna's account is overdrawn by £105, which is a balance of -£105. Sienna pays in £190 and then spends £195. What is the new balance?

- [ ] A) -£5
- [ ] B) £100
- [ ] C) -£490
- [ ] D) -£111
- [ ] E) -£110

---

21 What is -18 - (-11)?

- [ ] A) 29
- [ ] B) -6
- [ ] C) -29
- [ ] D) -7
- [ ] E) -8

---

22 Ffion's account is overdrawn by £260, which is a balance of -£260. Ffion pays in £40 and then spends £150. What is the new balance?

- [ ] A) £150
- [ ] B) -£450
- [ ] C) -£70
- [ ] D) -£371
- [ ] E) -£370

---

23 What is 6 - 9?

- [ ] A) 3
- [ ] B) -4
- [ ] C) -2
- [ ] D) -3
- [ ] E) 15

© Revision Library | revisionlibrary.co.uk

24 Priya's account is overdrawn by £45, which is a balance of -£45. Priya pays in £130 and then spends £155. What is the new balance?

- [ ] A) -£25
- [ ] B) £70
- [ ] C) -£70
- [ ] D) £20
- [ ] E) -£330

---

25 Dylan's account is overdrawn by £265, which is a balance of -£265. Dylan pays in £15 and then spends £40. What is the new balance?

- [ ] A) -£320
- [ ] B) -£290
- [ ] C) £240
- [ ] D) -£289
- [ ] E) £290

---

26 What is -4 - 18?

- [ ] A) -23
- [ ] B) -21
- [ ] C) 22
- [ ] D) -22
- [ ] E) 14

---

27 The temperature in Cardiff is 8°C. It falls by 4 degrees. What is the new temperature?

- [ ] A) -12°C
- [ ] B) -4°C
- [ ] C) 5°C
- [ ] D) 12°C
- [ ] E) 4°C

© Revision Library | revisionlibrary.co.uk

28 Noah's account is overdrawn by £260, which is a balance of -£260. Noah pays in £95 and then spends £20. What is the new balance?

- [ ] A) -£186
- [ ] B) -£375
- [ ] C) -£185
- [ ] D) £335
- [ ] E) -£184

---

29 What is 12 - 19?

- [ ] A) -7
- [ ] B) 31
- [ ] C) -8
- [ ] D) 7
- [ ] E) -6

---

30 The temperature in York is -3°C. It falls by 10 degrees. What is the new temperature?

- [ ] A) -14°C
- [ ] B) -13°C
- [ ] C) 7°C
- [ ] D) -7°C
- [ ] E) 13°C

---

31 Arjun's account is overdrawn by £165, which is a balance of -£165. Arjun pays in £130 and then spends £185. What is the new balance?

- [ ] A) -£55
- [ ] B) -£480
- [ ] C) -£220
- [ ] D) £110
- [ ] E) £220

© Revision Library | revisionlibrary.co.uk

32 The temperature in Carlisle is -3°C. It falls by 4 degrees. What is the new temperature?

- [ ] A) -8°C
- [ ] B) -6°C
- [ ] C) 7°C
- [ ] D) -7°C
- [ ] E) 1°C

---

33 What is 3 + 12?

- [ ] A) 14
- [ ] B) -15
- [ ] C) 16
- [ ] D) 15
- [ ] E) -9

---

34 Yusuf's account is overdrawn by £115, which is a balance of -£115. Yusuf pays in £170 and then spends £80. What is the new balance?

- [ ] A) -£24
- [ ] B) £205
- [ ] C) £135
- [ ] D) -£365
- [ ] E) -£25

---

35 The temperature in Carlisle was 15°C at noon and -8°C at midnight. By how many degrees did it fall?

- [ ] A) 7°C
- [ ] B) 15°C
- [ ] C) 23°C
- [ ] D) 24°C
- [ ] E) 22°C

© Revision Library | revisionlibrary.co.uk

36 Imogen's account is overdrawn by £145, which is a balance of -£145. Imogen pays in £140 and then spends £50. What is the new balance?

- [ ] A) £55
- [ ] B) £235
- [ ] C) £90
- [ ] D) -£55
- [ ] E) -£335

---

37 What is -6 - 5?

- [ ] A) -12
- [ ] B) 11
- [ ] C) 1
- [ ] D) -1
- [ ] E) -11

---

38 Leo's account is overdrawn by £70, which is a balance of -£70. Leo pays in £45 and then spends £175. What is the new balance?

- [ ] A) -£200
- [ ] B) £150
- [ ] C) £200
- [ ] D) -£290
- [ ] E) -£60

---

39 What is -4 + 4?

- [ ] A) -1
- [ ] B) 8
- [ ] C) 1
- [ ] D) 0
- [ ] E) -8

© Revision Library | revisionlibrary.co.uk

40 The temperature in York was 1°C at noon and -6°C at midnight. By how many degrees did it fall?

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

---

41 Maya's account is overdrawn by £255, which is a balance of -£255. Maya pays in £110 and then spends £110. What is the new balance?

- [ ] A) -£35
- [ ] B) -£475
- [ ] C) £255
- [ ] D) £0
- [ ] E) -£255

---

42 The temperature in Aberdeen was 9°C at noon and -8°C at midnight. By how many degrees did it fall?

- [ ] A) 9°C
- [ ] B) 18°C
- [ ] C) 16°C
- [ ] D) 17°C
- [ ] E) 1°C

---

43 What is -12 - 11?

- [ ] A) -22
- [ ] B) -23
- [ ] C) 1
- [ ] D) 23
- [ ] E) -1

© Revision Library | revisionlibrary.co.uk

44 The temperature in Aberdeen is -5°C. It rises by 3 degrees. What is the new temperature?

- [ ] A) -1°C
- [ ] B) -3°C
- [ ] C) -2°C
- [ ] D) 8°C
- [ ] E) -8°C

---

45 What is -3 + 5?

- [ ] A) 2
- [ ] B) 1
- [ ] C) -2
- [ ] D) -8
- [ ] E) 3

---

46 At 6 am the temperature in Swansea was -8°C. By 2 pm it was 2°C. By how many degrees did it rise?

- [ ] A) 6°C
- [ ] B) -6°C
- [ ] C) 9°C
- [ ] D) -10°C
- [ ] E) 10°C

---

47 Lily's account is overdrawn by £300, which is a balance of -£300. Lily pays in £160 and then spends £40. What is the new balance?

- [ ] A) £180
- [ ] B) -£180
- [ ] C) £420
- [ ] D) -£500
- [ ] E) -£100

© Revision Library | revisionlibrary.co.uk

48 The temperature in Inverness was 7°C at noon and -7°C at midnight. By how many degrees did it fall?

- [ ] A) 13°C
- [ ] B) 0°C
- [ ] C) 14°C
- [ ] D) 15°C
- [ ] E) 7°C

---

49 Ewan's account is overdrawn by £280, which is a balance of -£280. Ewan pays in £85 and then spends £130. What is the new balance?

- [ ] A) -£326
- [ ] B) -£325
- [ ] C) £235
- [ ] D) -£495
- [ ] E) -£45

---

50 What is 7 - 7?

- [ ] A) -1
- [ ] B) -14
- [ ] C) 1
- [ ] D) 0
- [ ] E) 14

---

51 The temperature in Inverness is -2°C. It rises by 4 degrees. What is the new temperature?

- [ ] A) 6°C
- [ ] B) 1°C
- [ ] C) -2°C
- [ ] D) -6°C
- [ ] E) 2°C

© Revision Library | revisionlibrary.co.uk

52 Sienna's account is overdrawn by £45, which is a balance of -£45. Sienna pays in £175 and then spends £145. What is the new balance?

- [ ] A) -£15
- [ ] B) -£14
- [ ] C) £30
- [ ] D) -£365
- [ ] E) £75

---

53 What is -13 - (-17)?

- [ ] A) 3
- [ ] B) -30
- [ ] C) 5
- [ ] D) -4
- [ ] E) 4

---

54 The temperature in Exeter is 3°C. It falls by 4 degrees. What is the new temperature?

- [ ] A) 0°C
- [ ] B) 7°C
- [ ] C) -1°C
- [ ] D) -2°C
- [ ] E) 1°C

---

55 Sana's account is overdrawn by £240, which is a balance of -£240. Sana pays in £80 and then spends £35. What is the new balance?

- [ ] A) £285
- [ ] B) -£195
- [ ] C) -£355
- [ ] D) £195
- [ ] E) -£196

© Revision Library | revisionlibrary.co.uk

56 What is -10 - 13?

- [ ] A) 3
- [ ] B) 23
- [ ] C) -24
- [ ] D) -23
- [ ] E) -22

---

57 The temperature in Leeds is 3°C. It falls by 10 degrees. What is the new temperature?

- [ ] A) -7°C
- [ ] B) 7°C
- [ ] C) 13°C
- [ ] D) -8°C
- [ ] E) -6°C

---

58 What is -1 + 2?

- [ ] A) -3
- [ ] B) -1
- [ ] C) 2
- [ ] D) 3
- [ ] E) 1

---

59 The temperature in York is -2°C. It rises by 6 degrees. What is the new temperature?

- [ ] A) 8°C
- [ ] B) -8°C
- [ ] C) -4°C
- [ ] D) 4°C
- [ ] E) 3°C

© Revision Library | revisionlibrary.co.uk

60 Esme's account is overdrawn by £140, which is a balance of -£140. Esme pays in £160 and then spends £85. What is the new balance?

- [ ] A) -£385
- [ ] B) £75
- [ ] C) £105
- [ ] D) £215
- [ ] E) -£65

---

61 What is -5 - (-2)?

- [ ] A) 7
- [ ] B) -3
- [ ] C) -7
- [ ] D) -4
- [ ] E) -2

---

62 The temperature in Cardiff is -8°C. It rises by 14 degrees. What is the new temperature?

- [ ] A) 22°C
- [ ] B) 7°C
- [ ] C) 5°C
- [ ] D) 6°C
- [ ] E) -22°C

---

63 Arjun's account is overdrawn by £175, which is a balance of -£175. Arjun pays in £140 and then spends £30. What is the new balance?

- [ ] A) £285
- [ ] B) -£65
- [ ] C) -£345
- [ ] D) -£64
- [ ] E) -£5

© Revision Library | revisionlibrary.co.uk

64 The temperature in Leeds is -6°C. It rises by 11 degrees. What is the new temperature?

- [ ] A) 6°C
- [ ] B) -17°C
- [ ] C) -5°C
- [ ] D) 17°C
- [ ] E) 5°C

---

65 Hamza's account is overdrawn by £145, which is a balance of -£145. Hamza pays in £180 and then spends £170. What is the new balance?

- [ ] A) -£135
- [ ] B) £155
- [ ] C) -£136
- [ ] D) £10
- [ ] E) -£495

---

66 What is 5 - 8?

- [ ] A) 13
- [ ] B) -4
- [ ] C) -2
- [ ] D) -3
- [ ] E) 3

---

67 The temperature in Inverness is 0°C. It falls by 10 degrees. What is the new temperature?

- [ ] A) -100°C
- [ ] B) 10°C
- [ ] C) -9°C
- [ ] D) -1°C
- [ ] E) -10°C

© Revision Library | revisionlibrary.co.uk

68 Ffion's account is overdrawn by £155, which is a balance of -£155. Ffion pays in £185 and then spends £15. What is the new balance?

- [ ] A) -£355
- [ ] B) £325
- [ ] C) £15
- [ ] D) £45
- [ ] E) £14

---

69 What is 3 + (-14)?

- [ ] A) 17
- [ ] B) -12
- [ ] C) -11
- [ ] D) -17
- [ ] E) 11

---

70 What is -3 - 3?

- [ ] A) 0
- [ ] B) -6
- [ ] C) -5
- [ ] D) -7
- [ ] E) 6

---

71 Maya's account is overdrawn by £90, which is a balance of -£90. Maya pays in £130 and then spends £110. What is the new balance?

- [ ] A) £110
- [ ] B) -£330
- [ ] C) £70
- [ ] D) -£70
- [ ] E) £20

© Revision Library | revisionlibrary.co.uk

72 What is -20 - 8?

- [ ] A) 12
- [ ] B) -28
- [ ] C) 28
- [ ] D) -12
- [ ] E) -29

---

73 At 6 am the temperature in Carlisle was -6°C. By 2 pm it was 4°C. By how many degrees did it rise?

- [ ] A) 2°C
- [ ] B) 11°C
- [ ] C) -2°C
- [ ] D) 9°C
- [ ] E) 10°C

---

74 The temperature in Inverness is -2°C. It rises by 12 degrees. What is the new temperature?

- [ ] A) 10°C
- [ ] B) -10°C
- [ ] C) 14°C
- [ ] D) -14°C
- [ ] E) 11°C

---

75 The temperature in a town is 3 degrees. It rises by 6 degrees, then falls by 20 degrees. Work out the final temperature.

- [ ] A) 9°C
- [ ] B) 17°C
- [ ] C) -11°C
- [ ] D) -14°C
- [ ] E) 14°C

© Revision Library | revisionlibrary.co.uk

76 Amara's account is overdrawn by £300, which is a balance of -£300. Amara pays in £115 and then spends £130. What is the new balance?

- [ ] A) -£315
- [ ] B) -£545
- [ ] C) -£316
- [ ] D) £285
- [ ] E) -£15

---

77 The temperature in Aberdeen is -9°C. It rises by 6 degrees. What is the new temperature?

- [ ] A) 3°C
- [ ] B) -4°C
- [ ] C) -15°C
- [ ] D) 15°C
- [ ] E) -3°C

---

78 A car thermometer shows 13 degrees. It falls by 16 degrees, then rises by 5 degrees. Work out the final temperature.

- [ ] A) 8°C
- [ ] B) -2°C
- [ ] C) 34°C
- [ ] D) 2°C
- [ ] E) -8°C

---

79 Sienna's account is overdrawn by £90, which is a balance of -£90. Sienna pays in £180 and then spends £195. What is the new balance?

- [ ] A) -£465
- [ ] B) £285
- [ ] C) £105
- [ ] D) -£105
- [ ] E) £75

© Revision Library | revisionlibrary.co.uk

80 What is 6 + 5?

- [ ] A) 11
- [ ] B) -11
- [ ] C) 1
- [ ] D) 10
- [ ] E) -1

---

81 The temperature in Carlisle was 4°C at noon and -2°C at midnight. By how many degrees did it fall?

- [ ] A) 5°C
- [ ] B) 6°C
- [ ] C) 4°C
- [ ] D) 7°C
- [ ] E) 2°C

---

82 A weather station records 3 degrees. During the day it warms by 7 degrees and then by a further 5 degrees. What is the temperature at the end of the day?

- [ ] A) 10°C
- [ ] B) 8°C
- [ ] C) 15°C
- [ ] D) 12°C
- [ ] E) 5°C

---

83 What is -1 + (-11)?

- [ ] A) -11
- [ ] B) -12
- [ ] C) 10
- [ ] D) -10
- [ ] E) 12

© Revision Library | revisionlibrary.co.uk

84 The temperature in Norwich is 8°C. It falls by 2 degrees. What is the new temperature?

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

---

85 A car thermometer shows 13 degrees. It falls by 17 degrees, then rises by 9 degrees. Work out the final temperature.

- [ ] A) 13°C
- [ ] B) -5°C
- [ ] C) -13°C
- [ ] D) 5°C
- [ ] E) 39°C

---

86 What is 2 + (-3)?

- [ ] A) 5
- [ ] B) 1
- [ ] C) -2
- [ ] D) 0
- [ ] E) -1

---

87 The temperature in York is 0°C. It falls by 15 degrees. What is the new temperature?

- [ ] A) -14°C
- [ ] B) 15°C
- [ ] C) -15°C
- [ ] D) -16°C
- [ ] E) -150°C

© Revision Library | revisionlibrary.co.uk

88 A car thermometer shows 7 degrees. It falls by 17 degrees, then rises by 5 degrees. Work out the final temperature.

- [ ] A) 15°C
- [ ] B) -15°C
- [ ] C) 29°C
- [ ] D) -5°C
- [ ] E) 5°C

---

89 What is 8 - 2?

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

---

90 At 6 am the temperature in Norwich was -3°C. By 2 pm it was 14°C. By how many degrees did it rise?

- [ ] A) -17°C
- [ ] B) 16°C
- [ ] C) 18°C
- [ ] D) 11°C
- [ ] E) 17°C

---

91 The temperature in a town is 5 degrees. It rises by 11 degrees, then falls by 13 degrees. Work out the final temperature.

- [ ] A) 16°C
- [ ] B) -2°C
- [ ] C) 3°C
- [ ] D) 2°C
- [ ] E) 7°C

© Revision Library | revisionlibrary.co.uk

92 Oliver's account is overdrawn by £25, which is a balance of -£25. Oliver pays in £155 and then spends £25. What is the new balance?

- [ ] A) £105
- [ ] B) £106
- [ ] C) -£205
- [ ] D) £155
- [ ] E) £104

---

93 What is -10 + 8?

- [ ] A) -18
- [ ] B) -2
- [ ] C) 18
- [ ] D) 2
- [ ] E) -3

---

94 The temperature in York is -8°C. It rises by 7 degrees. What is the new temperature?

- [ ] A) -2°C
- [ ] B) 0°C
- [ ] C) 15°C
- [ ] D) -15°C
- [ ] E) -1°C

---

95 Chloe's account is overdrawn by £300, which is a balance of -£300. Chloe pays in £25 and then spends £140. What is the new balance?

- [ ] A) -£465
- [ ] B) -£414
- [ ] C) -£415
- [ ] D) £185
- [ ] E) -£135

© Revision Library | revisionlibrary.co.uk

96 What is -5 + 7?

- [ ] A) -12
- [ ] B) 2
- [ ] C) 3
- [ ] D) 1
- [ ] E) -2

---

97 The temperature in Belfast is 7°C. It falls by 7 degrees. What is the new temperature?

- [ ] A) 0°C
- [ ] B) -1°C
- [ ] C) 14°C
- [ ] D) -14°C
- [ ] E) 1°C

---

98 Kwame's account is overdrawn by £80, which is a balance of -£80. Kwame pays in £80 and then spends £40. What is the new balance?

- [ ] A) £120
- [ ] B) -£200
- [ ] C) £40
- [ ] D) -£40
- [ ] E) -£41

---

99 What is -10 - 3?

- [ ] A) -7
- [ ] B) 13
- [ ] C) -13
- [ ] D) -14
- [ ] E) 7

© Revision Library | revisionlibrary.co.uk

100 The temperature in York is -8°C. It rises by 2 degrees. What is the new temperature?

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

---

101 Leo's account is overdrawn by £240, which is a balance of -£240. Leo pays in £200 and then spends £180. What is the new balance?

- [ ] A) -£221
- [ ] B) -£620
- [ ] C) £140
- [ ] D) £260
- [ ] E) -£220

---

102 What is 8 - 10?

- [ ] A) 2
- [ ] B) -1
- [ ] C) 18
- [ ] D) -2
- [ ] E) -3

---

103 The temperature in York is -7°C. It rises by 11 degrees. What is the new temperature?

- [ ] A) 3°C
- [ ] B) 4°C
- [ ] C) 5°C
- [ ] D) 18°C
- [ ] E) -18°C

© Revision Library | revisionlibrary.co.uk

104 A weather station records -2 degrees. During the day it warms by 9 degrees and then by a further 5 degrees. What is the temperature at the end of the day?

- [ ] A) 12°C
- [ ] B) 7°C
- [ ] C) 14°C
- [ ] D) 2°C
- [ ] E) 3°C

---

105 Callum's account is overdrawn by £240, which is a balance of -£240. Callum pays in £155 and then spends £65. What is the new balance?

- [ ] A) -£460
- [ ] B) -£20
- [ ] C) £330
- [ ] D) -£150
- [ ] E) £150

---

106 What is -11 + 16?

- [ ] A) 4
- [ ] B) -27
- [ ] C) 27
- [ ] D) -5
- [ ] E) 5

---

107 The temperature in Inverness is -4°C. It rises by 3 degrees. What is the new temperature?

- [ ] A) 0°C
- [ ] B) 7°C
- [ ] C) -1°C
- [ ] D) 1°C
- [ ] E) -7°C

© Revision Library | revisionlibrary.co.uk

108 Imogen's account is overdrawn by £295, which is a balance of -£295. Imogen pays in £20 and then spends £40. What is the new balance?

- [ ] A) -£355
- [ ] B) £315
- [ ] C) £275
- [ ] D) -£315
- [ ] E) -£20

---

109 What is -17 - 4?

- [ ] A) -13
- [ ] B) -21
- [ ] C) -22
- [ ] D) 13
- [ ] E) 21

---

110 At 6 am the temperature in Norwich was -2°C. By 2 pm it was 8°C. By how many degrees did it rise?

- [ ] A) 10°C
- [ ] B) 9°C
- [ ] C) 11°C
- [ ] D) 6°C
- [ ] E) -10°C

---

111 Noah's account is overdrawn by £195, which is a balance of -£195. Noah pays in £55 and then spends £175. What is the new balance?

- [ ] A) -£425
- [ ] B) £315
- [ ] C) -£316
- [ ] D) -£315
- [ ] E) £75

© Revision Library | revisionlibrary.co.uk

112 What is -1 - 4?

- [ ] A) 5
- [ ] B) -6
- [ ] C) -5
- [ ] D) 3
- [ ] E) -4

---

113 The temperature in Carlisle is 3°C. It falls by 2 degrees. What is the new temperature?

- [ ] A) 2°C
- [ ] B) 1°C
- [ ] C) -5°C
- [ ] D) -1°C
- [ ] E) 5°C

---

114 Lily's account is overdrawn by £280, which is a balance of -£280. Lily pays in £90 and then spends £175. What is the new balance?

- [ ] A) £195
- [ ] B) -£364
- [ ] C) -£85
- [ ] D) -£545
- [ ] E) -£365

---

115 What is 5 + 6?

- [ ] A) 11
- [ ] B) 12
- [ ] C) -1
- [ ] D) 10
- [ ] E) -11

© Revision Library | revisionlibrary.co.uk

116 The temperature in Inverness is -3°C. It rises by 6 degrees. What is the new temperature?

- [ ] A) -9°C
- [ ] B) 9°C
- [ ] C) 3°C
- [ ] D) -3°C
- [ ] E) 4°C

---

117 The temperature in a town is 5 degrees. It rises by 10 degrees, then falls by 17 degrees. Work out the final temperature.

- [ ] A) -7°C
- [ ] B) 12°C
- [ ] C) 7°C
- [ ] D) -2°C
- [ ] E) 15°C

---

118 Aisha's account is overdrawn by £135, which is a balance of -£135. Aisha pays in £45 and then spends £145. What is the new balance?

- [ ] A) £235
- [ ] B) -£235
- [ ] C) -£325
- [ ] D) -£100
- [ ] E) £35

---

119 What is 18 - (-9)?

- [ ] A) -27
- [ ] B) 28
- [ ] C) 26
- [ ] D) 9
- [ ] E) 27

© Revision Library | revisionlibrary.co.uk

120 At 6 am the temperature in Carlisle was -5°C. By 2 pm it was 9°C. By how many degrees did it rise?

- [ ] A) -14°C
- [ ] B) 13°C
- [ ] C) 4°C
- [ ] D) 15°C
- [ ] E) 14°C

---

121 Ewan's account is overdrawn by £35, which is a balance of -£35. Ewan pays in £70 and then spends £165. What is the new balance?

- [ ] A) £200
- [ ] B) -£95
- [ ] C) -£130
- [ ] D) -£270
- [ ] E) -£60

---

122 What is 16 + 18?

- [ ] A) -34
- [ ] B) 34
- [ ] C) 2
- [ ] D) -2
- [ ] E) 35

---

123 The temperature in Cardiff was 10°C at noon and -14°C at midnight. By how many degrees did it fall?

- [ ] A) 24°C
- [ ] B) -4°C
- [ ] C) 23°C
- [ ] D) 4°C
- [ ] E) 14°C

© Revision Library | revisionlibrary.co.uk

124 What is -19 + 4?

- ☐ A) 23
- ☐ B) -23
- ☐ C) -15
- ☐ D) 15
- ☐ E) -14

---

125 At 6 am the temperature in Aberdeen was -10°C. By 2 pm it was 18°C. By how many degrees did it rise?

- ☐ A) -28°C
- ☐ B) 28°C
- ☐ C) 8°C
- ☐ D) 27°C
- ☐ E) 29°C

---

126 The temperature in a town is -3 degrees. It rises by 9 degrees, then falls by 15 degrees. Work out the final temperature.

(2)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 2.84 Negative Numbers in Context: 2-hour Pack

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

Question 1

correct option E (-£85) cao **B1**

Answer: E) -£85

Question 2

correct option D (-19) cao **B1**

Answer: D) -19

Question 3

correct option A (4°C) cao **B1**

Answer: A) 4°C

Question 4

correct option C (-£295) cao **B1**

Answer: C) -£295

Question 5

correct option A (39) cao **B1**

Answer: A) 39

Question 6

correct option B (19°C) cao **B1**

Answer: B) 19°C

Question 7

correct option B (-£175) cao **B1**

Answer: B) -£175

Question 8

correct option D (13) cao **B1**

Answer: D) 13

Question 9

correct option D (-£160) cao **B1**

Answer: D) -£160

Question 10

correct option E (2) cao **B1**

Answer: E) 2

Question 11

correct option A (3°C) cao **B1**

Answer: A) 3°C

Question 12

correct option D (-8) cao **B1**

Answer: D) -8

Question 13

correct option E (-2°C) cao **B1**

Answer: E) -2°C

Question 14

correct option B (-£295) cao **B1**

Answer: B) -£295

Question 15

correct option A (20°C) cao **B1**

Answer: A) 20°C

Question 16

correct option A (-16) cao **B1**

Answer: A) -16

Question 17

correct option C (19°C) cao **B1**

Answer: C) 19°C

Question 18

correct option A (-£175) cao **B1**

Answer: A) -£175

Question 19

correct option C (-1°C) cao **B1**

Answer: C) -1°C

Question 20

correct option E (-£110) cao **B1**

Answer: E) -£110

Question 21

correct option D (-7) cao **B1**

Answer: D) -7

Question 22

correct option E (-£370) cao **B1**

Answer: E) -£370

Question 23

correct option D (-3) cao **B1**

Answer: D) -3

Question 24

correct option C (-£70) cao **B1**

Answer: C) -£70

Question 25

correct option B (-£290) cao **B1**

Answer: B) -£290

Question 26

correct option D (-22) cao **B1**

Answer: D) -22

Question 27

correct option E (4°C) cao **B1**

Answer: E) 4°C

© Revision Library | revisionlibrary.co.uk

Question 28

correct option C (-£185) cao **B1**

Answer: C) -£185

Question 29

correct option A (-7) cao **B1**

Answer: A) -7

Question 30

correct option B (-13°C) cao **B1**

Answer: B) -13°C

Question 31

correct option C (-£220) cao **B1**

Answer: C) -£220

Question 32

correct option D (-7°C) cao **B1**

Answer: D) -7°C

Question 33

correct option D (15) cao **B1**

Answer: D) 15

Question 34

correct option E (-£25) cao **B1**

Answer: E) -£25

Question 35

correct option C (23°C) cao **B1**

Answer: C) 23°C

Question 36

correct option D (-£55) cao **B1**

Answer: D) -£55

Question 37

correct option E (-11) cao **B1**

Answer: E) -11

Question 38

correct option A (-£200) cao **B1**

Answer: A) -£200

Question 39

correct option D (0) cao **B1**

Answer: D) 0

Question 40

correct option A (7°C) cao **B1**

Answer: A) 7°C

Question 41

correct option E (-£255) cao **B1**

Answer: E) -£255

Question 42

correct option D (17°C) cao **B1**

Answer: D) 17°C

Question 43

correct option B (-23) cao **B1**

Answer: B) -23

Question 44

correct option C (-2°C) cao **B1**

Answer: C) -2°C

Question 45

correct option A (2) cao **B1**

Answer: A) 2

Question 46

correct option E (10°C) cao **B1**

Answer: E) 10°C

Question 47

correct option B (-£180) cao **B1**

Answer: B) -£180

Question 48

correct option C (14°C) cao **B1**

Answer: C) 14°C

Question 49

correct option B (-£325) cao **B1**

Answer: B) -£325

Question 50

correct option D (0) cao **B1**

Answer: D) 0

Question 51

correct option E (2°C) cao **B1**

Answer: E) 2°C

Question 52

correct option A (-£15) cao **B1**

Answer: A) -£15

Question 53

correct option E (4) cao **B1**

Answer: E) 4

Question 54

correct option C (-1°C) cao **B1**

Answer: C) -1°C

Question 55

correct option B (-£195) cao **B1**

Answer: B) -£195

Question 56

correct option D (-23) cao **B1**

Answer: D) -23

Question 57

correct option A (-7°C) cao **B1**

Answer: A) -7°C

© Revision Library | revisionlibrary.co.uk

Question 58

correct option E (1) cao **B1**

Answer: E) 1

Question 59

correct option D (4°C) cao **B1**

Answer: D) 4°C

Question 60

correct option E (-£65) cao **B1**

Answer: E) -£65

Question 61

correct option B (-3) cao **B1**

Answer: B) -3

Question 62

correct option D (6°C) cao **B1**

Answer: D) 6°C

Question 63

correct option B (-£65) cao **B1**

Answer: B) -£65

Question 64

correct option E (5°C) cao **B1**

Answer: E) 5°C

Question 65

correct option A (-£135) cao **B1**

Answer: A) -£135

Question 66

correct option D (-3) cao **B1**

Answer: D) -3

Question 67

correct option E (-10°C) cao **B1**

Answer: E) -10°C

Question 68

correct option C (£15) cao **B1**

Answer: C) £15

Question 69

correct option C (-11) cao **B1**

Answer: C) -11

Question 70

correct option B (-6) cao **B1**

Answer: B) -6

Question 71

correct option D (-£70) cao **B1**

Answer: D) -£70

Question 72

correct option B (-28) cao **B1**

Answer: B) -28

Question 73

correct option E (10°C) cao **B1**

Answer: E) 10°C

Question 74

correct option A (10°C) cao **B1**

Answer: A) 10°C

Question 75

correct option C (-11°C) cao **B1**

Answer: C) -11°C

Question 76

correct option A (-£315) cao **B1**

Answer: A) -£315

Question 77

correct option E (-3°C) cao **B1**

Answer: E) -3°C

Question 78

correct option D (2°C) cao **B1**

Answer: D) 2°C

Question 79

correct option D (-£105) cao **B1**

Answer: D) -£105

Question 80

correct option A (11) cao **B1**

Answer: A) 11

Question 81

correct option B (6°C) cao **B1**

Answer: B) 6°C

Question 82

correct option C (15°C) cao **B1**

Answer: C) 15°C

Question 83

correct option B (-12) cao **B1**

Answer: B) -12

Question 84

correct option C (6°C) cao **B1**

Answer: C) 6°C

Question 85

correct option D (5°C) cao **B1**

Answer: D) 5°C

Question 86

correct option E (-1) cao **B1**

Answer: E) -1

Question 87

correct option C (-15°C) cao **B1**

Answer: C) -15°C

© Revision Library | revisionlibrary.co.uk

Question 88

correct option D (-5°C) cao **B1**

Answer: D) -5°C

Question 89

correct option B (6) cao **B1**

Answer: B) 6

Question 90

correct option E (17°C) cao **B1**

Answer: E) 17°C

Question 91

correct option C (3°C) cao **B1**

Answer: C) 3°C

Question 92

correct option A (£105) cao **B1**

Answer: A) £105

Question 93

correct option B (-2) cao **B1**

Answer: B) -2

Question 94

correct option E (-1°C) cao **B1**

Answer: E) -1°C

Question 95

correct option C (-£415) cao **B1**

Answer: C) -£415

Question 96

correct option B (2) cao **B1**

Answer: B) 2

Question 97

correct option A (0°C) cao **B1**

Answer: A) 0°C

Question 98

correct option D (-£40) cao **B1**

Answer: D) -£40

Question 99

correct option C (-13) cao **B1**

Answer: C) -13

Question 100

correct option B (-6°C) cao **B1**

Answer: B) -6°C

Question 101

correct option E (-£220) cao **B1**

Answer: E) -£220

Question 102

correct option D (-2) cao **B1**

Answer: D) -2

Question 103

correct option B (4°C) cao **B1**

Answer: B) 4°C

Question 104

correct option A (12°C) cao **B1**

Answer: A) 12°C

Question 105

correct option D (-£150) cao **B1**

Answer: D) -£150

Question 106

correct option E (5) cao **B1**

Answer: E) 5

Question 107

correct option C (-1°C) cao **B1**

Answer: C) -1°C

Question 108

correct option D (-£315) cao **B1**

Answer: D) -£315

Question 109

correct option B (-21) cao **B1**

Answer: B) -21

Question 110

correct option A (10°C) cao **B1**

Answer: A) 10°C

Question 111

correct option D (-£315) cao **B1**

Answer: D) -£315

Question 112

correct option C (-5) cao **B1**

Answer: C) -5

Question 113

correct option B (1°C) cao **B1**

Answer: B) 1°C

Question 114

correct option E (-£365) cao **B1**

Answer: E) -£365

Question 115

correct option A (11) cao **B1**

Answer: A) 11

Question 116

correct option C (3°C) cao **B1**

Answer: C) 3°C

Question 117

correct option D (-2°C) cao **B1**

Answer: D) -2°C

© Revision Library | revisionlibrary.co.uk

Question 118

correct option B (-£235) cao **B1**

Answer: B) -£235

Question 119

correct option E (27) cao **B1**

Answer: E) 27

Question 120

correct option E (14°C) cao **B1**

Answer: E) 14°C

Question 121

correct option C (-£130) cao **B1**

Answer: C) -£130

Question 122

correct option B (34) cao **B1**

Answer: B) 34

Question 123

correct option A (24°C) cao **B1**

Answer: A) 24°C

Question 124

correct option C (-15) cao **B1**

Answer: C) -15

Question 125

correct option B (28°C) cao **B1**

Answer: B) 28°C

Question 126

correct intermediate step seen (-3 + 9 = 6 or equivalent) **M1**

final answer -9 cao **A1**

Answer: -9°C

© Revision Library | revisionlibrary.co.uk