2.14 Early Algebra: 2-hour Pack

GL ASSESSMENT GL · Calculators not allowed · about 120 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Simplify 2a + 6b + 9a - b.

- ☐ A) 11a - 5b
- ☐ B) 11a + 6b
- ☐ C) 16ab
- ☐ D) 11a + 5b
- ☐ E) 11a + 7b

---

2 Solve 5x - 5 = -25.

- ☐ A) -20
- ☐ B) -6
- ☐ C) -3
- ☐ D) 0
- ☐ E) -4

---

3 Simplify a + 5b + 2a - b.

- ☐ A) 3a + 4b
- ☐ B) 3a + 5b
- ☐ C) 3a - 4b
- ☐ D) 3a + 6b
- ☐ E) 7ab

---

4 Solve 4(x + 8) = 80.

- ☐ A) 11
- ☐ B) 28
- ☐ C) 48
- ☐ D) 12
- ☐ E) 18

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5 Simplify a + 6b + 7a - 8b.

- [ ] A) 6ab
- [ ] B) 7a - 2b
- [ ] C) 8a + 6b
- [ ] D) 8a + 14b
- [ ] E) 8a - 2b

---

6 Solve 2x - 5 = 1.

- [ ] A) -2
- [ ] B) 5.5
- [ ] C) 3
- [ ] D) 2
- [ ] E) 6

---

7 Simplify 3a + 8b + 8a - 3b.

- [ ] A) 24a + 5b
- [ ] B) 11a + 5b
- [ ] C) 16ab
- [ ] D) 11a + 8b
- [ ] E) 11a + 11b

---

8 Solve 4(x + 4) = 36.

- [ ] A) 13
- [ ] B) 8
- [ ] C) 6
- [ ] D) 5
- [ ] E) 4

---

9 Simplify 4a + 2b + a - 3b.

- [ ] A) 5a + b
- [ ] B) 5a - b
- [ ] C) 5a + 5b
- [ ] D) 5a + 2b
- [ ] E) 4ab

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10 Solve 2x - 1 = -7.

- [ ] A) -2.5
- [ ] B) -6
- [ ] C) -4.5
- [ ] D) -3
- [ ] E) -4

---

11 Simplify 6a + 6b + 5a - 3b.

- [ ] A) 11a + 6b
- [ ] B) 30a + 3b
- [ ] C) 11a + 3b
- [ ] D) 14ab
- [ ] E) 11a + 9b

---

12 Solve 5(x + 5) = 30.

- [ ] A) 1
- [ ] B) 2
- [ ] C) 5
- [ ] D) 25
- [ ] E) 11

---

13 Simplify 4a + 7b + 9a - 2b.

- [ ] A) 13a + 9b
- [ ] B) 36a + 5b
- [ ] C) 18ab
- [ ] D) 13a + 7b
- [ ] E) 13a + 5b

---

14 Solve 9x + 8 = -19.

- [ ] A) -4
- [ ] B) -27
- [ ] C) -2
- [ ] D) -3
- [ ] E) -243

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15 Solve 7(x + 9) = 168.

- [ ] A) 15
- [ ] B) 105
- [ ] C) 159
- [ ] D) 14
- [ ] E) 33

---

16 Simplify 7a + 9b + 3a - 4b.

- [ ] A) 10a + 9b
- [ ] B) 10a + 13b
- [ ] C) 10a + 5b
- [ ] D) 21a + 5b
- [ ] E) 15ab

---

17 Solve 4x - 11 = 29.

- [ ] A) 4.5
- [ ] B) 18.25
- [ ] C) 11
- [ ] D) -3.75
- [ ] E) 10

---

18 Simplify 3a + 7b + 6a - 4b.

- [ ] A) 18a + 3b
- [ ] B) 12ab
- [ ] C) 9a + 11b
- [ ] D) 9a + 7b
- [ ] E) 9a + 3b

---

19 Solve 2x + 5 = 35.

- [ ] A) 14
- [ ] B) 15
- [ ] C) 30
- [ ] D) 12.5
- [ ] E) 20

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20 Simplify 7a + 7b + 3a - 4b.

- [ ] A) 10a + 11b
- [ ] B) 10a + 7b
- [ ] C) 10a + 3b
- [ ] D) 13ab
- [ ] E) 21a + 3b

---

21 Solve 7x - 4 = 59.

- [ ] A) 441
- [ ] B) 63
- [ ] C) 10
- [ ] D) 9
- [ ] E) 8

---

22 Simplify 3a + 7b + 4a - 2b.

- [ ] A) 7a + 5b
- [ ] B) 7a + 9b
- [ ] C) 12ab
- [ ] D) 7a + 7b
- [ ] E) 7a - 5b

---

23 Solve 7x + 4 = -31.

- [ ] A) -5
- [ ] B) -245
- [ ] C) -4
- [ ] D) -6
- [ ] E) -35

---

24 Simplify 3a + 2b + a - b.

- [ ] A) 4a - b
- [ ] B) 4a + 3b
- [ ] C) 4a + b
- [ ] D) 4a + 2b
- [ ] E) 5ab

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25 Solve 3x + 6 = x - 2.

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

---

26 Simplify 6a + 9b + 5a - b.

- [ ] A) 11a + 10b
- [ ] B) 11a + 8b
- [ ] C) 11a + 9b
- [ ] D) 19ab
- [ ] E) 30a + 8b

---

27 Solve 6x + 3 = -9.

- [ ] A) -4.5
- [ ] B) -12
- [ ] C) -1
- [ ] D) -2
- [ ] E) 1.5

---

28 Simplify 9a + 4b + 4a - 5b.

- [ ] A) 13a - b
- [ ] B) 13a + 4b
- [ ] C) 13a + b
- [ ] D) 12ab
- [ ] E) 13a + 9b

---

29 Solve 3x + 8 = 35.

- [ ] A) 10
- [ ] B) 27
- [ ] C) 8
- [ ] D) 9
- [ ] E) 81

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30 Solve 6x - 5 = 2x + 43.

- [ ] A) 48
- [ ] B) 9.5
- [ ] C) 12
- [ ] D) 13
- [ ] E) 6

---

31 Simplify 5a + 7b + 2a - 5b.

- [ ] A) 7a - 2b
- [ ] B) 7a + 12b
- [ ] C) 10a + 2b
- [ ] D) 9ab
- [ ] E) 7a + 2b

---

32 Solve 5x + 10 = 10.

- [ ] A) 12
- [ ] B) 1
- [ ] C) 4
- [ ] D) -8
- [ ] E) 0

---

33 Simplify 4a + 2b + 2a - 7b.

- [ ] A) 6a - 5b
- [ ] B) 6a + 5b
- [ ] C) 6a + 9b
- [ ] D) 1ab
- [ ] E) 8a - 5b

---

34 Solve 4x - 2 = 3x - 5.

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

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35 Simplify 4a + 4b + 2a - 6b.

- [ ] A) 6a + 4b
- [ ] B) 4ab
- [ ] C) 6a - 2b
- [ ] D) 8a - 2b
- [ ] E) 6a + 10b

---

36 Solve 6x + 6 = 66.

- [ ] A) 12
- [ ] B) 11
- [ ] C) 9
- [ ] D) 10
- [ ] E) 5

---

37 Solve 3x + 4 = 16.

- [ ] A) 5
- [ ] B) 4
- [ ] C) 36
- [ ] D) 12
- [ ] E) 3

---

38 Simplify 2a + 9b + 2a - 3b.

- [ ] A) 4a + 12b
- [ ] B) 4a + 9b
- [ ] C) 10ab
- [ ] D) 4a + 6b
- [ ] E) 4a - 6b

---

39 Solve 7x + 4 = 74.

- [ ] A) 490
- [ ] B) 9
- [ ] C) 11
- [ ] D) 70
- [ ] E) 10

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40 Simplify 6a + b + 8a - 3b.

- [ ] A) 14a - 2b
- [ ] B) 14a + 4b
- [ ] C) 12ab
- [ ] D) 48a - 2b
- [ ] E) 14a + 2b

---

41 Solve 8x + 8 = 0.

- [ ] A) -8
- [ ] B) -1
- [ ] C) -2
- [ ] D) -64
- [ ] E) 1

---

42 Simplify 8a + 4b + 9a - 7b.

- [ ] A) 17a + 11b
- [ ] B) 72a - 3b
- [ ] C) 17a + 4b
- [ ] D) 17a - 3b
- [ ] E) 14ab

---

43 Simplify 5a + 7b + 7a - 5b.

- [ ] A) 12a + 7b
- [ ] B) 12a + 2b
- [ ] C) 35a + 2b
- [ ] D) 14ab
- [ ] E) 12a + 12b

---

44 Simplify 7a + 6b + a - 4b.

- [ ] A) 8a + 2b
- [ ] B) 8a + 6b
- [ ] C) 7a + 2b
- [ ] D) 10ab
- [ ] E) 8a + 10b

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45 Solve 5x - 8 = 22.

- [ ] A) 7
- [ ] B) 30
- [ ] C) 2.8
- [ ] D) 12.4
- [ ] E) 6

---

46 Simplify 5a + 2b + 4a - 3b.

- [ ] A) 9a + 5b
- [ ] B) 9a + 2b
- [ ] C) 8ab
- [ ] D) 9a - b
- [ ] E) 9a + b

---

47 Solve 4x - 9 = 19.

- [ ] A) 8
- [ ] B) 7
- [ ] C) 28
- [ ] D) 2.5
- [ ] E) 13.75

---

48 Simplify 6a + 3b + a - 2b.

- [ ] A) 8ab
- [ ] B) 7a + 5b
- [ ] C) 7a + b
- [ ] D) 6a + b
- [ ] E) 7a - b

---

49 Solve 5(x + 9) = 75.

- [ ] A) 24
- [ ] B) 30
- [ ] C) 13.2
- [ ] D) 5
- [ ] E) 6

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50 Simplify a + 3b + 8a - 8b.

- [ ] A) 9a - 5b
- [ ] B) 9a + 11b
- [ ] C) 8a - 5b
- [ ] D) 9a + 5b
- [ ] E) 4ab

---

51 Solve 3x + 9 = 30.

- [ ] A) 1
- [ ] B) 13
- [ ] C) 6
- [ ] D) 63
- [ ] E) 7

---

52 Simplify 5a + b + 4a - 4b.

- [ ] A) 20a - 3b
- [ ] B) 6ab
- [ ] C) 9a - 3b
- [ ] D) 9a + 5b
- [ ] E) 9a + 3b

---

53 Solve 4x + 5 = 25.

- [ ] A) 5
- [ ] B) 7.5
- [ ] C) 80
- [ ] D) 1.25
- [ ] E) 20

---

54 Solve 8x - 6 = 3x + 39.

- [ ] A) 9
- [ ] B) 10
- [ ] C) 6.6
- [ ] D) 8
- [ ] E) -9

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55 Simplify a + 2b + 2a - 4b.

- [ ] A) 1ab
- [ ] B) 3a + 2b
- [ ] C) 2a - 2b
- [ ] D) 3a - 2b
- [ ] E) 3a + 6b

---

56 Solve 2x + 9 = 3.

- [ ] A) -7.5
- [ ] B) -3
- [ ] C) -12
- [ ] D) -6
- [ ] E) 6

---

57 Simplify a + 2b + 3a - 6b.

- [ ] A) 4a - 4b
- [ ] B) 4a + 2b
- [ ] C) 4a + 4b
- [ ] D) 4a + 8b
- [ ] E) 0ab

---

58 Solve 9x - 3 = 132.

- [ ] A) 14
- [ ] B) 15
- [ ] C) 1,215
- [ ] D) 16
- [ ] E) 135

---

59 Solve 9x + 15 = 114.

- [ ] A) 891
- [ ] B) 12
- [ ] C) 99
- [ ] D) 10
- [ ] E) 11

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60 Simplify 8a + b + 6a - 3b.

- [ ] A) 12ab
- [ ] B) 14a + 2b
- [ ] C) 14a + 4b
- [ ] D) 14a + b
- [ ] E) 14a - 2b

---

61 Solve 9x + 6 = 5x - 2.

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

---

62 Simplify a + 8b + 2a - 5b.

- [ ] A) 3a + 13b
- [ ] B) 3a + 3b
- [ ] C) 6ab
- [ ] D) 3a - 3b
- [ ] E) 3a + 8b

---

63 Solve 5(x + 5) = 10.

- [ ] A) 7
- [ ] B) 1
- [ ] C) -3
- [ ] D) -4
- [ ] E) -2

---

64 Simplify 8a + 9b + 9a - b.

- [ ] A) 25ab
- [ ] B) 17a + 10b
- [ ] C) 17a + 9b
- [ ] D) 72a + 8b
- [ ] E) 17a + 8b

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65 Solve 8x + 3 = -37.

- [ ] A) -5
- [ ] B) -1.625
- [ ] C) -7.625
- [ ] D) -4.25
- [ ] E) -320

---

66 Simplify 3a + b + 6a - 8b.

- [ ] A) 2ab
- [ ] B) 9a + 7b
- [ ] C) 9a + 9b
- [ ] D) 9a - 7b
- [ ] E) 9a + b

---

67 Solve 4x - 2 = 2x + 24.

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

---

68 Simplify a + 6b + 5a - 2b.

- [ ] A) 5a + 4b
- [ ] B) 6a + 8b
- [ ] C) 6a + 4b
- [ ] D) 6a + 6b
- [ ] E) 10ab

---

69 Solve 6x - 10 = 38.

- [ ] A) 288
- [ ] B) 8
- [ ] C) 48
- [ ] D) 9
- [ ] E) 7

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70 Simplify 4a + 8b + 7a - b.

- [ ] A) 11a + 9b
- [ ] B) 28a + 7b
- [ ] C) 11a - 7b
- [ ] D) 18ab
- [ ] E) 11a + 7b

---

71 Solve 7x - 6 = 2x - 11.

- [ ] A) 1
- [ ] B) 0
- [ ] C) -1
- [ ] D) -3.4
- [ ] E) -5

---

72 Simplify 3a + 3b + 6a - 6b.

- [ ] A) 6ab
- [ ] B) 9a - 3b
- [ ] C) 9a + 9b
- [ ] D) 9a + 3b
- [ ] E) 18a - 3b

---

73 Solve 5x - 10 = 15.

- [ ] A) 5
- [ ] B) 1
- [ ] C) 4
- [ ] D) 6
- [ ] E) 13

---

74 Solve 7(x + 1) = 70.

- [ ] A) 11
- [ ] B) 69
- [ ] C) 8
- [ ] D) 9
- [ ] E) 63

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75 Simplify 6a + 7b + 3a - b.

- [ ] A) 9a + 7b
- [ ] B) 9a + 8b
- [ ] C) 15ab
- [ ] D) 18a + 6b
- [ ] E) 9a + 6b

---

76 Solve 5(x + 9) = 25.

- [ ] A) 14
- [ ] B) 3.2
- [ ] C) 16
- [ ] D) -3
- [ ] E) -4

---

77 Simplify 9a + 3b + a - 5b.

- [ ] A) 10a - 2b
- [ ] B) 9a - 2b
- [ ] C) 8ab
- [ ] D) 10a + 8b
- [ ] E) 10a + 3b

---

78 Solve 3x - 8 = -14.

- [ ] A) -6
- [ ] B) -2
- [ ] C) -18
- [ ] D) -1
- [ ] E) -3

---

79 Simplify 4a + 8b + 5a - 6b.

- [ ] A) 20a + 2b
- [ ] B) 9a + 14b
- [ ] C) 9a + 8b
- [ ] D) 9a + 2b
- [ ] E) 11ab

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80 Solve $4(x + 1) = -4$.

- [ ] A) -1.25
- [ ] B) -3
- [ ] C) -2
- [ ] D) 0
- [ ] E) -5

---

81 Simplify $7a + 9b + 5a - 7b$.

- [ ] A) $12a + 16b$
- [ ] B) $35a + 2b$
- [ ] C) $12a + 9b$
- [ ] D) $12a + 2b$
- [ ] E) $14ab$

---

82 Solve $6x + 3 = x - 2$.

- [ ] A) 0.2
- [ ] B) -2
- [ ] C) -1
- [ ] D) 1
- [ ] E) 0

---

83 Simplify $2a + 6b + 7a - 2b$.

- [ ] A) $9a + 8b$
- [ ] B) $9a + 4b$
- [ ] C) $13ab$
- [ ] D) $9a - 4b$
- [ ] E) $14a + 4b$

---

84 Solve $2x + 7 = 17$.

- [ ] A) 5
- [ ] B) 12
- [ ] C) 1.5
- [ ] D) 10
- [ ] E) 20

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85 Simplify 4a + 5b + 8a - 2b.

- [ ] A) 12a + 7b
- [ ] B) 12a - 3b
- [ ] C) 12a + 5b
- [ ] D) 15ab
- [ ] E) 12a + 3b

---

86 Solve 8(x + 8) = 136.

- [ ] A) 25
- [ ] B) 17
- [ ] C) 16
- [ ] D) 9
- [ ] E) 8

---

87 Simplify 2a + 6b + 4a - b.

- [ ] A) 6a + 5b
- [ ] B) 6a + 7b
- [ ] C) 6a - 5b
- [ ] D) 6a + 6b
- [ ] E) 11ab

---

88 Simplify 7a + 3b + 8a - 7b.

- [ ] A) 11ab
- [ ] B) 15a + 3b
- [ ] C) 15a + 4b
- [ ] D) 15a + 10b
- [ ] E) 15a - 4b

---

89 Solve 9x + 7 = 5x + 55.

- [ ] A) -12
- [ ] B) 12
- [ ] C) 15.5
- [ ] D) 13
- [ ] E) 48

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90 Simplify 5a + 8b + 3a - 7b.

- [ ] A) 15a + b
- [ ] B) 8a - b
- [ ] C) 9ab
- [ ] D) 8a + 15b
- [ ] E) 8a + b

---

91 Solve 7x + 9 = 93.

- [ ] A) 84
- [ ] B) 588
- [ ] C) 12
- [ ] D) 13
- [ ] E) 11

---

92 Simplify a + 8b + 5a - 4b.

- [ ] A) 6a + 12b
- [ ] B) 6a + 4b
- [ ] C) 10ab
- [ ] D) 6a + 8b
- [ ] E) 5a + 4b

---

93 Solve 8x = 4x - 16.

- [ ] A) -16
- [ ] B) -3
- [ ] C) -5
- [ ] D) -4
- [ ] E) 4

---

94 Solve 6(x + 2) = 12.

- [ ] A) 10
- [ ] B) 0
- [ ] C) 4
- [ ] D) 1
- [ ] E) -1

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95 Simplify 7a + 5b + 4a - 7b.

- [ ] A) 11a + 2b
- [ ] B) 9ab
- [ ] C) 11a + 12b
- [ ] D) 11a + 5b
- [ ] E) 11a - 2b

---

96 Solve 8x + 3 = 2x + 51.

- [ ] A) 7
- [ ] B) 9
- [ ] C) 48
- [ ] D) 8
- [ ] E) 4.8

---

97 Simplify 7a + 4b + 9a - b.

- [ ] A) 16a + 3b
- [ ] B) 19ab
- [ ] C) 63a + 3b
- [ ] D) 16a - 3b
- [ ] E) 16a + 5b

---

98 Solve 4x + 1 = 3x - 3.

- [ ] A) 4
- [ ] B) -2
- [ ] C) -4
- [ ] D) -3
- [ ] E) -5

---

99 Simplify 5a + 2b + 8a - 5b.

- [ ] A) 13a + 2b
- [ ] B) 13a - 3b
- [ ] C) 40a - 3b
- [ ] D) 10ab
- [ ] E) 13a + 7b

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100 Solve 8x + 6 = x + 83.

- [ ] A) 12
- [ ] B) -11
- [ ] C) 10
- [ ] D) 11
- [ ] E) 77

---

101 Solve 8x - 9 = -25.

- [ ] A) -3
- [ ] B) 5.875
- [ ] C) -4.25
- [ ] D) -16
- [ ] E) -2

---

102 Simplify 5a + 2b + 6a - 7b.

- [ ] A) 11a + 5b
- [ ] B) 11a + 9b
- [ ] C) 11a - 5b
- [ ] D) 30a - 5b
- [ ] E) 6ab

---

103 Solve 7x - 2 = x + 52.

- [ ] A) -9
- [ ] B) 9
- [ ] C) 8
- [ ] D) 10
- [ ] E) 6.75

---

104 Simplify a + 3b + 5a - 4b.

- [ ] A) 5ab
- [ ] B) 6a + 3b
- [ ] C) 6a + b
- [ ] D) 6a + 7b
- [ ] E) 6a - b

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105 Solve 9x - 9 = 27.

- [ ] A) 4
- [ ] B) 12
- [ ] C) -6
- [ ] D) 2
- [ ] E) 36

---

106 Simplify 9a + b + 4a - 3b.

- [ ] A) 13a + 4b
- [ ] B) 11ab
- [ ] C) 36a - 2b
- [ ] D) 13a - 2b
- [ ] E) 13a + 2b

---

107 Solve 8x - 3 = 3x + 12.

- [ ] A) -3
- [ ] B) 2
- [ ] C) 3
- [ ] D) 4
- [ ] E) 1.8

---

108 Simplify 5a + b + 3a - 8b.

- [ ] A) 1ab
- [ ] B) 8a - 7b
- [ ] C) 8a + b
- [ ] D) 8a + 9b
- [ ] E) 8a + 7b

---

109 Solve 4x + 6 = 38.

- [ ] A) 128
- [ ] B) 3.5
- [ ] C) 11
- [ ] D) 8
- [ ] E) 7

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110 Simplify 2a + 2b + 8a - 8b.

- [ ] A) 16a - 6b
- [ ] B) 4ab
- [ ] C) 10a + 10b
- [ ] D) 10a + 2b
- [ ] E) 10a - 6b

---

111 Solve 2(x + 1) = 26.

- [ ] A) 12
- [ ] B) 13
- [ ] C) 12.5
- [ ] D) 14
- [ ] E) 11

---

112 Simplify 8a + 6b + 7a - b.

- [ ] A) 20ab
- [ ] B) 15a + 7b
- [ ] C) 15a + 5b
- [ ] D) 15a + 6b
- [ ] E) 56a + 5b

---

113 Solve 2(x + 7) = 12.

- [ ] A) 6
- [ ] B) 13
- [ ] C) 2.5
- [ ] D) 5
- [ ] E) -1

---

114 Solve 5x + 8 = 38.

- [ ] A) -0.4
- [ ] B) 5
- [ ] C) 6
- [ ] D) 9.2
- [ ] E) 30

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115 Simplify 4a + 9b + 2a - b.

- [ ] A) 6a + 8b
- [ ] B) 6a + 10b
- [ ] C) 8a + 8b
- [ ] D) 14ab
- [ ] E) 6a - 8b

---

116 Solve 9x - 4 = 41.

- [ ] A) 405
- [ ] B) 6
- [ ] C) 4
- [ ] D) 5
- [ ] E) 45

---

117 Simplify 6a + 6b + 4a - 5b.

- [ ] A) 11ab
- [ ] B) 10a + 11b
- [ ] C) 10a - b
- [ ] D) 24a + b
- [ ] E) 10a + b

---

118 Solve 9x - 7 = 110.

- [ ] A) 13
- [ ] B) 12
- [ ] C) 14
- [ ] D) 1,053
- [ ] E) 117

---

119 Simplify 9a + 2b + 8a - b.

- [ ] A) 17a - b
- [ ] B) 72a + b
- [ ] C) 17a + 3b
- [ ] D) 17a + b
- [ ] E) 18ab

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120 Solve 7(x + 7) = 98.

- [ ] A) 13
- [ ] B) 7
- [ ] C) 8
- [ ] D) 21
- [ ] E) 91

---

121 Simplify a + 7b + 7a - b.

- [ ] A) 8a - 6b
- [ ] B) 7a + 6b
- [ ] C) 8a + 6b
- [ ] D) 14ab
- [ ] E) 8a + 8b

---

122 Solve 5x + 1 = x - 3.

- [ ] A) -0.5
- [ ] B) -4
- [ ] C) 1
- [ ] D) 0
- [ ] E) -1

---

123 Simplify a + 4b + 7a - 6b.

- [ ] A) 8a + 2b
- [ ] B) 6ab
- [ ] C) 8a - 2b
- [ ] D) 7a - 2b
- [ ] E) 8a + 10b

---

124 Solve 5x - 4 = 61.

- [ ] A) 65
- [ ] B) 13
- [ ] C) 14
- [ ] D) 16.2
- [ ] E) 11.4

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125 Simplify 5a + 6b + 9a - 8b.

- [ ] A) 14a - 2b
- [ ] B) 14a + 6b
- [ ] C) 12ab
- [ ] D) 45a - 2b
- [ ] E) 14a + 14b

---

126 Solve 3(x + 8) = 45.

- [ ] A) 21
- [ ] B) 23
- [ ] C) 37
- [ ] D) 7
- [ ] E) 15

---

127 Simplify a + 2b + 4a - 8b.

- [ ] A) 5a + 2b
- [ ] B) 5a + 10b
- [ ] C) -1ab
- [ ] D) 5a + 6b
- [ ] E) 5a - 6b

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Mark scheme · 2.14 Early Algebra: 2-hour Pack

Question 1

correct option D (11a + 5b) cao **B1**

Answer: D) 11a + 5b

Question 2

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

Answer: E) -4

Question 3

correct option A (3a + 4b) cao **B1**

Answer: A) 3a + 4b

Question 4

correct option D (12) cao **B1**

Answer: D) 12

Question 5

correct option E (8a - 2b) cao **B1**

Answer: E) 8a - 2b

Question 6

correct option C (3) cao **B1**

Answer: C) 3

Question 7

correct option B (11a + 5b) cao **B1**

Answer: B) 11a + 5b

Question 8

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

Answer: D) 5

Question 9

correct option B (5a - b) cao **B1**

Answer: B) 5a - b

Question 10

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

Answer: D) -3

Question 11

correct option C (11a + 3b) cao **B1**

Answer: C) 11a + 3b

Question 12

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

Answer: A) 1

Question 13

correct option E (13a + 5b) cao **B1**

Answer: E) 13a + 5b

Question 14

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

Answer: D) -3

Question 15

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

Answer: A) 15

Question 16

correct option C (10a + 5b) cao **B1**

Answer: C) 10a + 5b

Question 17

correct option E (10) cao **B1**

Answer: E) 10

Question 18

correct option E (9a + 3b) cao **B1**

Answer: E) 9a + 3b

Question 19

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

Answer: B) 15

Question 20

correct option C (10a + 3b) cao **B1**

Answer: C) 10a + 3b

Question 21

correct option D (9) cao **B1**

Answer: D) 9

Question 22

correct option A (7a + 5b) cao **B1**

Answer: A) 7a + 5b

Question 23

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

Answer: A) -5

Question 24

correct option C (4a + b) cao **B1**

Answer: C) 4a + b

Question 25

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

Answer: E) -4

Question 26

correct option B (11a + 8b) cao **B1**

Answer: B) 11a + 8b

Question 27

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

Answer: D) -2

Question 28

correct option A (13a - b) cao **B1**

Answer: A) 13a - b

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Question 29

correct option D (9) cao **B1**

Answer: D) 9

Question 30

correct option C (12) cao **B1**

Answer: C) 12

Question 31

correct option E (7a + 2b) cao **B1**

Answer: E) 7a + 2b

Question 32

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

Answer: E) 0

Question 33

correct option A (6a - 5b) cao **B1**

Answer: A) 6a - 5b

Question 34

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

Answer: B) -3

Question 35

correct option C (6a - 2b) cao **B1**

Answer: C) 6a - 2b

Question 36

correct option D (10) cao **B1**

Answer: D) 10

Question 37

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

Answer: B) 4

Question 38

correct option D (4a + 6b) cao **B1**

Answer: D) 4a + 6b

Question 39

correct option E (10) cao **B1**

Answer: E) 10

Question 40

correct option A (14a - 2b) cao **B1**

Answer: A) 14a - 2b

Question 41

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

Answer: B) -1

Question 42

correct option D (17a - 3b) cao **B1**

Answer: D) 17a - 3b

Question 43

correct option B (12a + 2b) cao **B1**

Answer: B) 12a + 2b

Question 44

correct option A (8a + 2b) cao **B1**

Answer: A) 8a + 2b

Question 45

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

Answer: E) 6

Question 46

correct option D (9a - b) cao **B1**

Answer: D) 9a - b

Question 47

correct option B (7) cao **B1**

Answer: B) 7

Question 48

correct option C (7a + b) cao **B1**

Answer: C) 7a + b

Question 49

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

Answer: E) 6

Question 50

correct option A (9a - 5b) cao **B1**

Answer: A) 9a - 5b

Question 51

correct option E (7) cao **B1**

Answer: E) 7

Question 52

correct option C (9a - 3b) cao **B1**

Answer: C) 9a - 3b

Question 53

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

Answer: A) 5

Question 54

correct option A (9) cao **B1**

Answer: A) 9

Question 55

correct option D (3a - 2b) cao **B1**

Answer: D) 3a - 2b

Question 56

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

Answer: B) -3

Question 57

correct option A (4a - 4b) cao **B1**

Answer: A) 4a - 4b

Question 58

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

Answer: B) 15

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Question 59

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

Answer: E) 11

Question 60

correct option E (14a - 2b) cao **B1**

Answer: E) 14a - 2b

Question 61

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

Answer: D) -2

Question 62

correct option B (3a + 3b) cao **B1**

Answer: B) 3a + 3b

Question 63

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

Answer: C) -3

Question 64

correct option E (17a + 8b) cao **B1**

Answer: E) 17a + 8b

Question 65

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

Answer: A) -5

Question 66

correct option D (9a - 7b) cao **B1**

Answer: D) 9a - 7b

Question 67

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

Answer: A) 13

Question 68

correct option C (6a + 4b) cao **B1**

Answer: C) 6a + 4b

Question 69

correct option B (8) cao **B1**

Answer: B) 8

Question 70

correct option E (11a + 7b) cao **B1**

Answer: E) 11a + 7b

Question 71

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

Answer: C) -1

Question 72

correct option B (9a - 3b) cao **B1**

Answer: B) 9a - 3b

Question 73

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

Answer: A) 5

Question 74

correct option D (9) cao **B1**

Answer: D) 9

Question 75

correct option E (9a + 6b) cao **B1**

Answer: E) 9a + 6b

Question 76

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

Answer: E) -4

Question 77

correct option A (10a - 2b) cao **B1**

Answer: A) 10a - 2b

Question 78

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

Answer: B) -2

Question 79

correct option D (9a + 2b) cao **B1**

Answer: D) 9a + 2b

Question 80

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

Answer: C) -2

Question 81

correct option D (12a + 2b) cao **B1**

Answer: D) 12a + 2b

Question 82

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

Answer: C) -1

Question 83

correct option B (9a + 4b) cao **B1**

Answer: B) 9a + 4b

Question 84

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

Answer: A) 5

Question 85

correct option E (12a + 3b) cao **B1**

Answer: E) 12a + 3b

Question 86

correct option D (9) cao **B1**

Answer: D) 9

Question 87

correct option A (6a + 5b) cao **B1**

Answer: A) 6a + 5b

Question 88

correct option E (15a - 4b) cao **B1**

Answer: E) 15a - 4b

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Question 89

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

Answer: B) 12

Question 90

correct option E (8a + b) cao **B1**

Answer: E) 8a + b

Question 91

correct option C (12) cao **B1**

Answer: C) 12

Question 92

correct option B (6a + 4b) cao **B1**

Answer: B) 6a + 4b

Question 93

correct option D (-4) cao **B1**

Answer: D) -4

Question 94

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

Answer: B) 0

Question 95

correct option E (11a - 2b) cao **B1**

Answer: E) 11a - 2b

Question 96

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

Answer: D) 8

Question 97

correct option A (16a + 3b) cao **B1**

Answer: A) 16a + 3b

Question 98

correct option C (-4) cao **B1**

Answer: C) -4

Question 99

correct option B (13a - 3b) cao **B1**

Answer: B) 13a - 3b

Question 100

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

Answer: D) 11

Question 101

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

Answer: E) -2

Question 102

correct option C (11a - 5b) cao **B1**

Answer: C) 11a - 5b

Question 103

correct option B (9) cao **B1**

Answer: B) 9

Question 104

correct option E (6a - b) cao **B1**

Answer: E) 6a - b

Question 105

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

Answer: A) 4

Question 106

correct option D (13a - 2b) cao **B1**

Answer: D) 13a - 2b

Question 107

correct option C (3) cao **B1**

Answer: C) 3

Question 108

correct option B (8a - 7b) cao **B1**

Answer: B) 8a - 7b

Question 109

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

Answer: D) 8

Question 110

correct option E (10a - 6b) cao **B1**

Answer: E) 10a - 6b

Question 111

correct option A (12) cao **B1**

Answer: A) 12

Question 112

correct option C (15a + 5b) cao **B1**

Answer: C) 15a + 5b

Question 113

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

Answer: E) -1

Question 114

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

Answer: C) 6

Question 115

correct option A (6a + 8b) cao **B1**

Answer: A) 6a + 8b

Question 116

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

Answer: D) 5

Question 117

correct option E (10a + b) cao **B1**

Answer: E) 10a + b

Question 118

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

Answer: A) 13

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Question 119

correct option D (17a + b) cao **B1**

Answer: D) 17a + b

Question 120

correct option B (7) cao **B1**

Answer: B) 7

Question 121

correct option C (8a + 6b) cao **B1**

Answer: C) 8a + 6b

Question 122

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

Answer: E) -1

Question 123

correct option C (8a - 2b) cao **B1**

Answer: C) 8a - 2b

Question 124

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

Answer: B) 13

Question 125

correct option A (14a - 2b) cao **B1**

Answer: A) 14a - 2b

Question 126

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

Answer: D) 7

Question 127

correct option E (5a - 6b) cao **B1**

Answer: E) 5a - 6b

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