Name: _____

Sr: 29092018-696

September 29, 2018

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

1) Find the value of 'j' by completing the square of the following equation: ^{2} + 6j + 8

Answer: _____

2) Find the value of 'f' by completing the square of the following equation: ^{2} + 6f + 8

Answer: _____

3) Find the value of 'x' by completing the square of the following equation: ^{2} + 6x + 9

Answer: _____

4) Find the value of 'f' by completing the square of the following equation: ^{2} + 6f + 9

Answer: _____

5) Find the value of 'x' by completing the square of the following equation: ^{2} + 6x + 9

Answer: _____

6) Find the value of 'd' by completing the square of the following equation: ^{2} + 6d + 8

Answer: _____

7) Find the value of 's' by completing the square of the following equation: ^{2} + 8s + 15

Answer: _____

8) Find the value of 's' by completing the square of the following equation: ^{2} + 10s + 16

Answer: _____

9) Find the value of 'j' by completing the square of the following equation: ^{2} + 6j + 9

Answer: _____

10) Find the value of 'f' by completing the square of the following equation: ^{2} + 6f + 9

Answer: _____

11) Find the value of 's' by completing the square of the following equation: ^{2} + 4s + 4

Answer: _____

12) Find the value of 's' by completing the square of the following equation: ^{2} + 4s + 4

Answer: _____

13) Find the value of 'x' by completing the square of the following equation: ^{2} + 12x + 20

Answer: _____

14) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 15

Answer: _____

15) Find the value of 'x' by completing the square of the following equation: ^{2} + 12x + 20

Answer: _____

Name: _____

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September 29, 2018

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

16) Find the value of 's' by completing the square of the following equation: ^{2} + 4s + 4

Answer: _____

17) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 12

Answer: _____

18) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 12

Answer: _____

19) Find the value of 's' by completing the square of the following equation: ^{2} + 8s + 16

Answer: _____

20) Find the value of 'f' by completing the square of the following equation: ^{2} + 12f + 20

Answer: _____

21) Find the value of 'x' by completing the square of the following equation: ^{2} + 6x + 9

Answer: _____

22) Find the value of 'f' by completing the square of the following equation: ^{2} + 12f + 20

Answer: _____

23) Find the value of 'q' by completing the square of the following equation: ^{2} + 12q + 20

Answer: _____

24) Find the value of 's' by completing the square of the following equation: ^{2} + 12s + 20

Answer: _____

25) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 15

Answer: _____

26) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 15

Answer: _____

27) Find the value of 'q' by completing the square of the following equation: ^{2} + 8q + 15

Answer: _____

28) Find the value of 'q' by completing the square of the following equation: ^{2} + 6q + 9

Answer: _____

29) Find the value of 'd' by completing the square of the following equation: ^{2} + 8d + 12

Answer: _____

30) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 12

Answer: _____

Name: _____

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September 29, 2018

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

31) Find the value of 'x' by completing the square of the following equation: $^2 + 6x + 9$

Answer: _____

32) Find the value of 'f' by completing the square of the following equation: $^2 + 10f + 16$

Answer: _____

33) Find the value of 'f' by completing the square of the following equation: $^2 + 8f + 12$

Answer: _____

34) Find the value of 'f' by completing the square of the following equation: $^2 + 12f + 20$

Answer: _____

35) Find the value of 's' by completing the square of the following equation: $^2 + 8s + 16$

Answer: _____

36) Find the value of 'f' by completing the square of the following equation: $^2 + 8f + 16$

Answer: _____

37) Find the value of 'x' by completing the square of the following equation: $^2 + 10x + 16$

Answer: _____

38) Find the value of 'x' by completing the square of the following equation: $^2 + 6x + 8$

Answer: _____

39) Find the value of 'q' by completing the square of the following equation: $^2 + 4q + 4$

Answer: _____

40) Find the value of 'x' by completing the square of the following equation: $^2 + 4x + 4$

Answer: _____

41) Find the value of 'd' by completing the square of the following equation: $^2 + 8d + 12$

Answer: _____

42) Find the value of 'x' by completing the square of the following equation: $^2 + 8x + 12$

Answer: _____

43) Find the value of 'x' by completing the square of the following equation: $^2 + 8x + 15$

Answer: _____

44) Find the value of 'd' by completing the square of the following equation: $^2 + 8d + 16$

Answer: _____

45) Find the value of 'f' by completing the square of the following equation: $^2 + 8f + 16$

Answer: _____

Name: _____

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September 29, 2018

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

46) Find the value of 'd' by completing the square of the following equation: $^2 + 4d + 4$

Answer: _____

47) Find the value of 'q' by completing the square of the following equation: $^2 + 8q + 12$

Answer: _____

48) Find the value of 'd' by completing the square of the following equation: $^2 + 12d + 20$

Answer: _____

49) Find the value of 'd' by completing the square of the following equation: $^2 + 10d + 16$

Answer: _____

50) Find the value of 'd' by completing the square of the following equation: $^2 + 4d + 4$

Answer: _____

51) Find the value of 'x' by completing the square of the following equation: $^2 + 6x + 8$

Answer: _____

52) Find the value of 'x' by completing the square of the following equation: $^2 + 6x + 8$

Answer: _____

53) Find the value of 's' by completing the square of the following equation: $^2 + 6s + 9$

Answer: _____

54) Find the value of 'x' by completing the square of the following equation: $^2 + 6x + 8$

Answer: _____

55) Find the value of 'd' by completing the square of the following equation: $^2 + 10d + 16$

Answer: _____

56) Find the value of 'f' by completing the square of the following equation: $^2 + 8f + 15$

Answer: _____

57) Find the value of 'q' by completing the square of the following equation: $^2 + 8q + 15$

Answer: _____

58) Find the value of 'd' by completing the square of the following equation: $^2 + 10d + 16$

Answer: _____

59) Find the value of 'f' by completing the square of the following equation: $^2 + 6f + 9$

Answer: _____

60) Find the value of 'x' by completing the square of the following equation: $^2 + 4x + 4$

Answer: _____

Name: _____

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September 29, 2018

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

61) Find the value of 'f' by completing the square of the following equation: ^{2} + 6f + 9

Answer: _____

62) Find the value of 'x' by completing the square of the following equation: ^{2} + 8x + 12

Answer: _____

63) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 16

Answer: _____

64) Find the value of 'd' by completing the square of the following equation: ^{2} + 12d + 20

Answer: _____

65) Find the value of 'j' by completing the square of the following equation: ^{2} + 10j + 16

Answer: _____

66) Find the value of 'f' by completing the square of the following equation: ^{2} + 12f + 20

Answer: _____

67) Find the value of 'q' by completing the square of the following equation: ^{2} + 4q + 4

Answer: _____

68) Find the value of 'd' by completing the square of the following equation: ^{2} + 12d + 20

Answer: _____

69) Find the value of 'x' by completing the square of the following equation: ^{2} + 8x + 15

Answer: _____

70) Find the value of 'd' by completing the square of the following equation: ^{2} + 6d + 8

Answer: _____

71) Find the value of 'j' by completing the square of the following equation: ^{2} + 8j + 12

Answer: _____

72) Find the value of 'x' by completing the square of the following equation: ^{2} + 8x + 12

Answer: _____

73) Find the value of 'd' by completing the square of the following equation: ^{2} + 6d + 8

Answer: _____

74) Find the value of 's' by completing the square of the following equation: ^{2} + 4s + 4

Answer: _____

75) Find the value of 'x' by completing the square of the following equation: ^{2} + 8x + 12

Answer: _____

Name: _____

Sr: 29092018-696

September 29, 2018

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

76) Find the value of 'd' by completing the square of the following equation: $^2 + 8d + 15$

Answer: _____

77) Find the value of 'f' by completing the square of the following equation: $^2 + 6f + 8$

Answer: _____

78) Find the value of 'q' by completing the square of the following equation: $^2 + 10q + 16$

Answer: _____

79) Find the value of 'd' by completing the square of the following equation: $^2 + 6d + 8$

Answer: _____

80) Find the value of 'f' by completing the square of the following equation: $^2 + 8f + 16$

Answer: _____

81) Find the value of 's' by completing the square of the following equation: $^2 + 8s + 15$

Answer: _____

82) Find the value of 'j' by completing the square of the following equation: $^2 + 4j + 4$

Answer: _____

83) Find the value of 'q' by completing the square of the following equation: $^2 + 8q + 15$

Answer: _____

84) Find the value of 'q' by completing the square of the following equation: $^2 + 8q + 15$

Answer: _____

85) Find the value of 'd' by completing the square of the following equation: $^2 + 4d + 4$

Answer: _____

86) Find the value of 's' by completing the square of the following equation: $^2 + 8s + 15$

Answer: _____

87) Find the value of 'j' by completing the square of the following equation: $^2 + 6j + 9$

Answer: _____

88) Find the value of 'j' by completing the square of the following equation: $^2 + 6j + 8$

Answer: _____

89) Find the value of 's' by completing the square of the following equation: $^2 + 8s + 12$

Answer: _____

90) Find the value of 'q' by completing the square of the following equation: $^2 + 6q + 9$

Answer: _____

Name: _____

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September 29, 2018

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

91) Find the value of 's' by completing the square of the following equation: $^2 + 6s + 9$

Answer: _____

92) Find the value of 'd' by completing the square of the following equation: $^2 + 4d + 4$

Answer: _____

93) Find the value of 's' by completing the square of the following equation: $^2 + 12s + 20$

Answer: _____

94) Find the value of 's' by completing the square of the following equation: $^2 + 6s + 8$

Answer: _____

95) Find the value of 's' by completing the square of the following equation: $^2 + 8s + 15$

Answer: _____

96) Find the value of 's' by completing the square of the following equation: $^2 + 8s + 15$

Answer: _____

97) Find the value of 'd' by completing the square of the following equation: $^2 + 12d + 20$

Answer: _____

98) Find the value of 'j' by completing the square of the following equation: $^2 + 8j + 16$

Answer: _____

99) Find the value of 'f' by completing the square of the following equation: $^2 + 10f + 16$

Answer: _____

100) Find the value of 'j' by completing the square of the following equation: $^2 + 8j + 15$

Answer: _____

Total: ___ / 100

Name: _____

Sr: 29092018-696

September 29, 2018

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

Answers:

1) $(j + 3)^2 - 1$	2) $(f + 3)^2 - 1$	3) $(x + 3)^2$	4) $(f + 3)^2$	5) $(x + 3)^2$	6) $(d + 3)^2 - 1$	7) $(s + 4)^2 - 1$
8) $(s + 5)^2 - 9$	9) $(j + 3)^2$	10) $(f + 3)^2$	11) $(s + 2)^2$	12) $(s + 2)^2$	13) $(x + 6)^2 - 16$	14) $(j + 4)^2 - 1$
15) $(x + 6)^2 - 16$	16) $(s + 2)^2$	17) $(j + 4)^2 - 4$	18) $(j + 4)^2 - 4$	19) $(s + 4)^2$	20) $(f + 6)^2 - 16$	21) $(x + 3)^2$
22) $(f + 6)^2 - 16$	23) $(q + 6)^2 - 16$	24) $(s + 6)^2 - 16$	25) $(j + 4)^2 - 1$	26) $(j + 4)^2 - 1$	27) $(q + 4)^2 - 1$	28) $(q + 3)^2$
29) $(d + 4)^2 - 4$	30) $(j + 4)^2 - 4$	31) $(x + 3)^2$	32) $(f + 5)^2 - 9$	33) $(f + 4)^2 - 4$	34) $(f + 6)^2 - 16$	35) $(s + 4)^2$
36) $(f + 4)^2$	37) $(x + 5)^2 - 9$	38) $(x + 3)^2 - 1$	39) $(q + 2)^2$	40) $(x + 2)^2$	41) $(d + 4)^2 - 4$	42) $(x + 4)^2 - 4$
43) $(x + 4)^2 - 1$	44) $(d + 4)^2$	45) $(f + 4)^2$	46) $(d + 2)^2$	47) $(q + 4)^2 - 4$	48) $(d + 6)^2 - 16$	49) $(d + 5)^2 - 9$
50) $(d + 2)^2$	51) $(x + 3)^2 - 1$	52) $(x + 3)^2 - 1$	53) $(s + 3)^2$	54) $(x + 3)^2 - 1$	55) $(d + 5)^2 - 9$	56) $(f + 4)^2 - 1$
57) $(q + 4)^2 - 1$	58) $(d + 5)^2 - 9$	59) $(f + 3)^2$	60) $(x + 2)^2$	61) $(f + 3)^2$	62) $(x + 4)^2 - 4$	63) $(j + 4)^2$
64) $(d + 6)^2 - 16$	65) $(j + 5)^2 - 9$	66) $(f + 6)^2 - 16$	67) $(q + 2)^2$	68) $(d + 6)^2 - 16$	69) $(x + 4)^2 - 1$	70) $(d + 3)^2 - 1$
71) $(j + 4)^2 - 4$	72) $(x + 4)^2 - 4$	73) $(d + 3)^2 - 1$	74) $(s + 2)^2$	75) $(x + 4)^2 - 4$	76) $(d + 4)^2 - 1$	77) $(f + 3)^2 - 1$
78) $(q + 5)^2 - 9$	79) $(d + 3)^2 - 1$	80) $(f + 4)^2$	81) $(s + 4)^2 - 1$	82) $(j + 2)^2$	83) $(q + 4)^2 - 1$	84) $(q + 4)^2 - 1$
85) $(d + 2)^2$	86) $(s + 4)^2 - 1$	87) $(j + 3)^2$	88) $(j + 3)^2 - 1$	89) $(s + 4)^2 - 4$	90) $(q + 3)^2$	91) $(s + 3)^2$
92) $(d + 2)^2$	93) $(s + 6)^2 - 16$	94) $(s + 3)^2 - 1$	95) $(s + 4)^2 - 1$	96) $(s + 4)^2 - 1$	97) $(d + 6)^2 - 16$	98) $(j + 4)^2$
99) $(f + 5)^2 - 9$	100) $(j + 4)^2 - 1$					