Name: _____

December 21, 2021

Sr: 21122021-2463

**MATHS WORKSHEET** GENERATOR

11-PLUS
SATS
GCSES

1) Find the range of the following set of data:

-13, 0.7, 0.9, 10

Answer: _____

2) 'What is the probability of rolling a even prime number.when rolling a dice

Answer: _____

3) 'What is the probability of rolling a number less than 1.when rolling a dice

Answer: _____

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

Answer: _____

5) Find the range of the following set of data:

-3, -0.1, -1, -20, 0.2

Answer: _____

6) A number was shared in the ratio 40:10. The smaller share was 28. What was the larger amount?

Answer: _____

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

Answer: _____

8) Factorise $6q^2 + 20q + 16$

Answer: _____

9) 'What is the probability of rolling a even prime number.when rolling a dice

Answer: _____

10) Solve by factorising
$f^2 + 12f - 13 = 0$

Answer: _____

11) Find the median of the following set of data:

7, 4, 25, 9, 19, 39, 5, 31, 37, 15, 31

Answer: _____

12) Solve by factorising
$f^2 - 12f + 11 = 0$

Answer: _____

13) Find the mode of the following set of data:

19, 19, 19, 19, 97, 97, 21, 21, 21, 21, 21, 78, 78, 7, 7, 7, 67, 67, 67, 67, 67

Answer: _____

14) A number is chosen at random from 1 to 50. Find the probability of selecting even number.

Answer: _____

15) Find the mean of the following set of data:

0.8, 19, 11, 0.8, 1, 12, 0.4

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

19) Solve $5x^2 - 10x - 8 = 0$
Round your solutions to 1 decimal place.

Answer: _____

20) Factorise $9q^2 + 22q + 13$

Answer: _____

21) Share 34 in the ratio 19:15

Answer: _____

22) A number is chosen at random from 1 to 50. Find the probability of selecting prime number.

Answer: _____

23) Factorise $s^2 + 6s + 8$

Answer: _____

24) Solve by factorising
$x^2 - 9x - 10 = 0$

Answer: _____

25) Factorise $f^2 + 9f + 14$

Answer: _____

26) Factorise $2d^2 + 15d + 13$

Answer: _____

27) Factorise $f^2 + 10f + 16$

Answer: _____

28) Find the range of the following set of data:
16, -0.2, 4, 0.5, -0.7, 9

Answer: _____

29) 'What is the probability of rolling a number less than 6.when rolling a dice

Answer: _____

30) Share 36 in the ratio 14:4

Answer: _____

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31) Solve $3s^2 - 10s - 16 = 0$
Round your solutions to 1 decimal place.

Answer: _____

32) Solve $18x^2 + 17x - 2 = 0$
Round your solutions to 1 decimal place.

Answer: _____

33) A number is chosen at random from 1 to 50. Find the probability of selecting factors of 15 and 11.

Answer: _____

34) Factorise $9f^2 + 20f + 11$

Answer: _____

35) Share 51 in the ratio 1:16

Answer: _____

36) Share 32 in the ratio 31:1

Answer: _____

37) Solve $3q^2 - 7q - 1 = 0$
Round your solutions to 1 decimal place.

Answer: _____

38) Solve $17f^2 + 4f - 6 = 0$
Round your solutions to 1 decimal place.

Answer: _____

39) A number was shared in the ratio 30:1. The smaller share was 16. What was the larger amount?

Answer: _____

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

Answer: _____

41) Find the mode of the following set of data:
56, 56, 92, 92, 92, 92, 92, 84, 84, 84, 71, 71, 71, 71

Answer: _____

42) Factorise $j^2 + 7j + 12$

Answer: _____

43) Factorise $4s^2 + 6s + 2$

Answer: _____

44) Solve by factorising
$f^2 + 19f - 20 = 0$

Answer: _____

45) Solve by factorising
$x^2 - 6x + 9 = 0$

Answer: _____

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46) Find the mean of the following set of data:

27, 37, 25, 1

Answer: _____

47) Share 52 in the ratio 9:43

Answer: _____

48) Solve $8j^2 + 8j + 2 = 0$
Round your solutions to 1 decimal place.

Answer: _____

49) Factorise $9q^2 + 36q + 11$

Answer: _____

50) Find the mode of the following set of data:

11, 11, 38, 38, 38, 38, 95, 95, 100, 100, 95, 95, 95

Answer: _____

51) A number is chosen at random from 1 to 50. Find the probability of selecting prime number.

Answer: _____

52) Find the mean of the following set of data:

0.8, 0.5, 0.2, 36, 29, 0.7

Answer: _____

53) A number is chosen at random from 1 to 50. Find the probability of selecting multiples of 12 and 13.

Answer: _____

54) Solve by factorising
$j^2 - 12j + 20 = 0$

Answer: _____

55) Factorise $6s^2 + 53s + 17$

Answer: _____

56) Find the mode of the following set of data:

47, 47, 47, 47, 7, 7, 7, 7, 7, 16, 16, 16, 16, 16, 41, 41, 41

Answer: _____

57) Find the range of the following set of data:

0.6, 1, 7, 2, -7, 0.6, -7

Answer: _____

58) Solve by factorising
$x^2 + 8x + 7 = 0$

Answer: _____

59) Find the median of the following set of data:

24, 35, 5, 22, 2, 28, 6, 24, 26, 39, 38, 34, 28, 22

Answer: _____

60) Factorise $6x^2 + 26x + 8$

Answer: _____

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MATHS WORKSHEET GENERATOR

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61) Find the range of the following set of data:

0, 15

Answer: _____

62) Solve $10d^2 - 10d - 17 = 0$
Round your solutions to 1 decimal place.

Answer: _____

63) A number is chosen at random from 1 to 50. Find the probability of selecting even number.

Answer: _____

64) A number is chosen at random from 1 to 50. Find the probability of selecting multiples of 12.

Answer: _____

65) Factorise $5q^2 + 22q + 17$

Answer: _____

66) Share 51 in the ratio 26:25

Answer: _____

67) A number was shared in the ratio 50:42. The smaller share was 42. What was the larger amount?

Answer: _____

68) A number was shared in the ratio 12:16. The larger share was 12. What was the smaller amount?

Answer: _____

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

Answer: _____

70) Find the mode of the following set of data:

16, 16, 16, 16, 16, 33, 33, 30, 30, 30, 30, 30, 4, 4, 4, 4, 41, 41, 41, 41, 41, 41

Answer: _____

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

Answer: _____

72) 'What is the probability of rolling a number less than 5.when rolling a dice

Answer: _____

73) Find the mode of the following set of data:

85, 85, 38, 38, 38, 38, 75, 75, 16, 16, 16, 16

Answer: _____

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

Answer: _____

75) Factorise $5q^2 + 18q + 9$

Answer: _____

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MATHS WORKSHEET GENERATOR

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76) Solve $13q^2 - 16q - 11 = 0$
Round your solutions to 1 decimal place.

Answer: _____

77) 'What is the probability of rolling a multiple of 5.when rolling a dice

Answer: _____

78) A number is chosen at random from 1 to 50. Find the probability of selecting factors of 14.

Answer: _____

79) Share 24 in the ratio 23:1

Answer: _____

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

Answer: _____

**Total: ___ / 80**