Name: _____

December 21, 2021

MATHS WORKSHEET GENERATOR · 11-PLUS SATS GCSES

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1) Factorise $4f^2 + 15f + 14$

Answer: _____

2) Factorise $f^2 + 8f + 16$

Answer: _____

3) A number was shared in the ratio 14:1. The smaller share was 8. What was the larger amount?

Answer: _____

4) Factorise $4s^2 + 14s + 6$

Answer: _____

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

Answer: _____

6) Solve by factorising
$x^2 - 1x - 6 = 0$

Answer: _____

7) Solve by factorising
$s^2 - 8s + 7 = 0$

Answer: _____

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

Answer: _____

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

3, 19

Answer: _____

10) Find the median of the following set of data:
13, 12, 34, 37, 25, 16

Answer: _____

11) Find the mode of the following set of data:
7, 7, 7, 7, 7, 26, 26, 26, 14, 14, 31, 31, 31, 31

Answer: _____

12) Solve $6d^2 - 13d + 2 = 0$
Round your solutions to 1 decimal place.

Answer: _____

13) Factorise $f^2 + 11f + 18$

Answer: _____

14) Find the median of the following set of data:
17, 20, 29, 22, 20

Answer: _____

15) A number was shared in the ratio 16:2. The smaller share was 39. What was the total amount shared?

Answer: _____

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Sr: 21122021-2461

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11-PLUS
SATS
GCSES

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

20, 1

Answer: _____

17) Factorise $2d^2 + 12d + 16$

Answer: _____

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

0.5, 8, 0.2

Answer: _____

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

38, 38, 38, 24, 24, 24, 24, 18, 18, 18

Answer: _____

20) Factorise $f^2 + 8f + 15$

Answer: _____

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

7, 10, 0.9, 16

Answer: _____

22) Factorise $x^2 + 8x + 16$

Answer: _____

23) A number is chosen at random from 1 to 25. Find the probability of selecting number less than 6.

Answer: _____

24) A number is chosen at random from 1 to 25. Find the probability of selecting divisors of 7.

Answer: _____

25) A number is chosen at random from 1 to 25. Find the probability of selecting number less than 8.

Answer: _____

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

12, 16, 34, 32, 40, 16, 2, 21, 16, 39

Answer: _____

27) A number is chosen at random from 1 to 25. Find the probability of selecting multiples of 10.

Answer: _____

28) Solve by factorising
$s^2 + 10s + 16 = 0$

Answer: _____

29) A number is chosen at random from 1 to 25. Find the probability of selecting odd number.

Answer: _____

30) Factorise $9d^2 + 54d + 17$

Answer: _____

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MATHS WORKSHEET GENERATOR

11-PLUS
SATS
GCSES

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

5, 10

Answer: _____

32) A number is chosen at random from 1 to 25. Find the probability of selecting prime number.

Answer: _____

33) Solve $16q^2 + 7q - 6 = 0$
Round your solutions to 1 decimal place.

Answer: _____

34) A number is chosen at random from 1 to 25. Find the probability of selecting factors of 6 and 9.

Answer: _____

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

40, 40, 40, 43, 43, 43, 43, 43, 43, 43, 11, 11, 11, 11, 11, 11, 48, 48, 48, 48, 48, 48, 48

Answer: _____

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

25, 12, 33, 20, 12, 7, 34, 31

Answer: _____

37) A number is chosen at random from 1 to 25. Find the probability of selecting factors of 7 and 10.

Answer: _____

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

31, 31, 31, 16, 16, 43, 43

Answer: _____

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

Answer: _____

40) Factorise $s^2 + 6s + 9$

Answer: _____

Total: ___ / 40