Name: _____

Sr: 28062021-2248

June 28, 2021

MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

1) Solve by factorising
$d^2 - 4d - 12 = 0$

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

6) Factorise $s^2 + 8s + 15$

Answer: _____

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

Answer: _____

8) Factorise $d^2 + 7d + 10$

Answer: _____

9) Solve by factorising
$q^2 - 6q - 7 = 0$

Answer: _____

10) Solve by factorising
$d^2 - 4d - 12 = 0$

Answer: _____

11) Factorise $x^2 + 6x + 8$

Answer: _____

12) Solve by factorising
$f^2 + 10f - 11 = 0$

Answer: _____

13) Factorise $j^2 + 7j + 10$

Answer: _____

14) Solve by factorising
$j^2 - 16j - 17 = 0$

Answer: _____

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

Answer: _____

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

Answer: _____

17) Factorise $j^2 + 9j + 18$

Answer: _____

18) Factorise $q^2 + 12q + 20$

Answer: _____

19) Solve by factorising
$q^2 + 5q - 14 = 0$

Answer: _____

20) Factorise $f^2 + 12f + 20$

Answer: _____

Total: ___ / 20

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MATHS WORKSHEET GENERATOR 11-PLUS SATS GCSES

Answers:

1) d = 6 or -2	2) $(x + 4)^2 - 1$	3) $(d + 2)^2$	4) $(s + 5)^2 - 9$	5) $(f + 6)^2 - 16$	6) (s + 3)(s + 5)	7) $(q + 3)^2$
8) (d + 2)(d + 5)	9) q = 7 or -1	10) d = 6 or -2	11) (x + 2)(x + 4)	12) f = 1 or -11	13) (j + 2)(j + 5)	14) j = 17 or -1
15) $(x + 6)^2 - 16$	16) $(f + 5)^2 - 9$	17) (j + 3)(j + 6)	18) (q + 2)(q + 10)	19) q = 2 or -7	20) (f + 2)(f + 10)	