



|  |  |   |
|--|--|---|
| 1) Decrease 87 by 85%  | 2) Decrease 82 by 95%  | 3) \$314.33 earning 1% compound interest for 5 years.       |
| Answer: _____  | Answer: _____  | Answer: _____   |
| 4) \$123.00 earning 5% compound interest for 5 years.  | 5) Factorise $6f^2 + 14f + 4$                                | 6) \$120.00 earning 7.4% compound interest for 4 years.     |
| Answer: _____  | Answer: _____  | Answer: _____   |
| 7) Decrease 44 by 86%  | 8) \$292.00 earning 2% compound interest for 4 years.        | 9) What would you multiply by to decrease an amount by 70%? |
| Answer: _____  | Answer: _____  | Answer: _____   |
| 10) Factorise $2x^2 + 8x + 6$  | 11) What would you multiply by to decrease an amount by 75%? | 12) Factorise $6q^2 + 25q + 14$                             |
| Answer: _____  | Answer: _____  | Answer: _____   |
| 13) Find the value of 'x' by completing the square of the following equation:<br>$x^2 + 8x + 15$ | 14) Decrease 75.8 by 71%                                     | 15) \$297.00 earning 5% compound interest for 3 years.      |
| Answer: _____  | Answer: _____  | Answer: _____   |



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

Answer: \_\_\_\_\_

17) What would you multiply by to decrease an amount by 88%?

Answer: \_\_\_\_\_

18) \$71.98 earning 3% compound interest for 1 years.

Answer: \_\_\_\_\_

19) \$376.00 earning 6% compound interest for 7 years.

Answer: \_\_\_\_\_

20) Increase 59 by 43%

Answer: \_\_\_\_\_

21) Decrease 45 by 4%

Answer: \_\_\_\_\_

22) Increase 26.6 by 59%

Answer: \_\_\_\_\_

23) Solve by factorising  
 $j^2 - 3j - 4 = 0$

Answer: \_\_\_\_\_

24) \$167.00 earning 3.5% compound interest for 1 years.

Answer: \_\_\_\_\_

25) What would you multiply by to increase an amount by 74%?

Answer: \_\_\_\_\_

26) Find the value of 'f' by completing the square of the following equation:  
 $2 + 4f + 4$

Answer: \_\_\_\_\_

27) Increase 44 by 98%

Answer: \_\_\_\_\_

28) Factorise  $3j^2 + 16j + 13$

Answer: \_\_\_\_\_

29) Decrease 59 by 1%

Answer: \_\_\_\_\_

30) Increase 17.4 by 55%

Answer: \_\_\_\_\_



31) What would you multiply by to decrease an amount by 26%?

Answer: \_\_\_\_\_

32) \$372.42 earning 4.4% compound interest for 8 years.

Answer: \_\_\_\_\_

33) \$102.00 earning 10% compound interest for 9 years.

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

35) \$84.51 earning 3% compound interest for 1 years.

Answer: \_\_\_\_\_

36) Solve by factorising  
 $q^2 - 1q - 12 = 0$

Answer: \_\_\_\_\_

37) Solve by factorising  
 $j^2 - 4j + 3 = 0$

Answer: \_\_\_\_\_

38) Factorise  $3d^2 + 14d + 11$

Answer: \_\_\_\_\_

39) Decrease 10 by 49%

Answer: \_\_\_\_\_

40) What would you multiply by to decrease an amount by 22%?

Answer: \_\_\_\_\_

41) Solve by factorising  
 $j^2 - 9j + 14 = 0$

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

43) What would you multiply by to decrease an amount by 38%?

Answer: \_\_\_\_\_

44) \$203.00 earning 7% compound interest for 9 years.

Answer: \_\_\_\_\_

45) What would you multiply by to decrease an amount by 46%?

Answer: \_\_\_\_\_

Name: \_\_\_\_\_

March 08, 2022

# MATHS WORKSHEET

GENERATOR

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Sr: 08032022-2560

46) Increase 48 by 15%

Answer: \_\_\_\_\_

47) \$480.00 earning 7% compound interest for 1 years.

Answer: \_\_\_\_\_

48) Solve by factorising  
 $d^2 - 8d - 20 = 0$

Answer: \_\_\_\_\_

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

Answer: \_\_\_\_\_

50) \$211.00 earning 7% compound interest for 2 years.

Answer: \_\_\_\_\_

**Total: \_\_\_\_ / 50**

Name: \_\_\_\_\_

Sr: 08032022-2560

March 08, 2022

# MATHS WORKSHEET

GENERATOR

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## Answers:

- |                     |                     |                        |              |                       |                      |                        |
|---------------------|---------------------|------------------------|--------------|-----------------------|----------------------|------------------------|
| 1) 13.05            | 2) 4.1              | 3) \$330.36            | 4) \$156.98  | 5) $(2f + 4)(f + 2)$  | 6) \$159.66          | 7) 6.16                |
| 8) \$316.07         | 9) 0.3              | 10) $(2x + 6)(x + 2)$  | 11) 0.25     | 12) $(2q + 7)(q + 2)$ | 13) $(x + 4)^2 - 1$  | 14) 21.982             |
| 15) \$343.81        | 16) $(j + 3)^2$     | 17) 0.12               | 18) \$74.14  | 19) \$565.36          | 20) 84.37            | 21) 43.2               |
| 22) 42.294          | 23) $j = 4$ or $-1$ | 24) \$172.84           | 25) 1.74     | 26) $(f + 2)^2$       | 27) 87.12            | 28) $(3j + 13)(j + 1)$ |
| 29) 58.41           | 30) 26.97           | 31) 0.74               | 32) \$525.58 | 33) \$240.51          | 34) $(d + 2)^2$      | 35) \$87.05            |
| 36) $q = 4$ or $-3$ | 37) $j = 3$ or $1$  | 38) $(3d + 11)(d + 1)$ | 39) 5.1      | 40) 0.78              | 41) $j = 7$ or $2$   | 42) $(j + 4)^2 - 1$    |
| 43) 0.62            | 44) \$373.21        | 45) 0.54               | 46) 55.2     | 47) \$513.60          | 48) $d = 10$ or $-2$ | 49) $(x + 5)^2 - 9$    |
| 50) \$241.57        |                     |                        |              |                       |                      |                        |