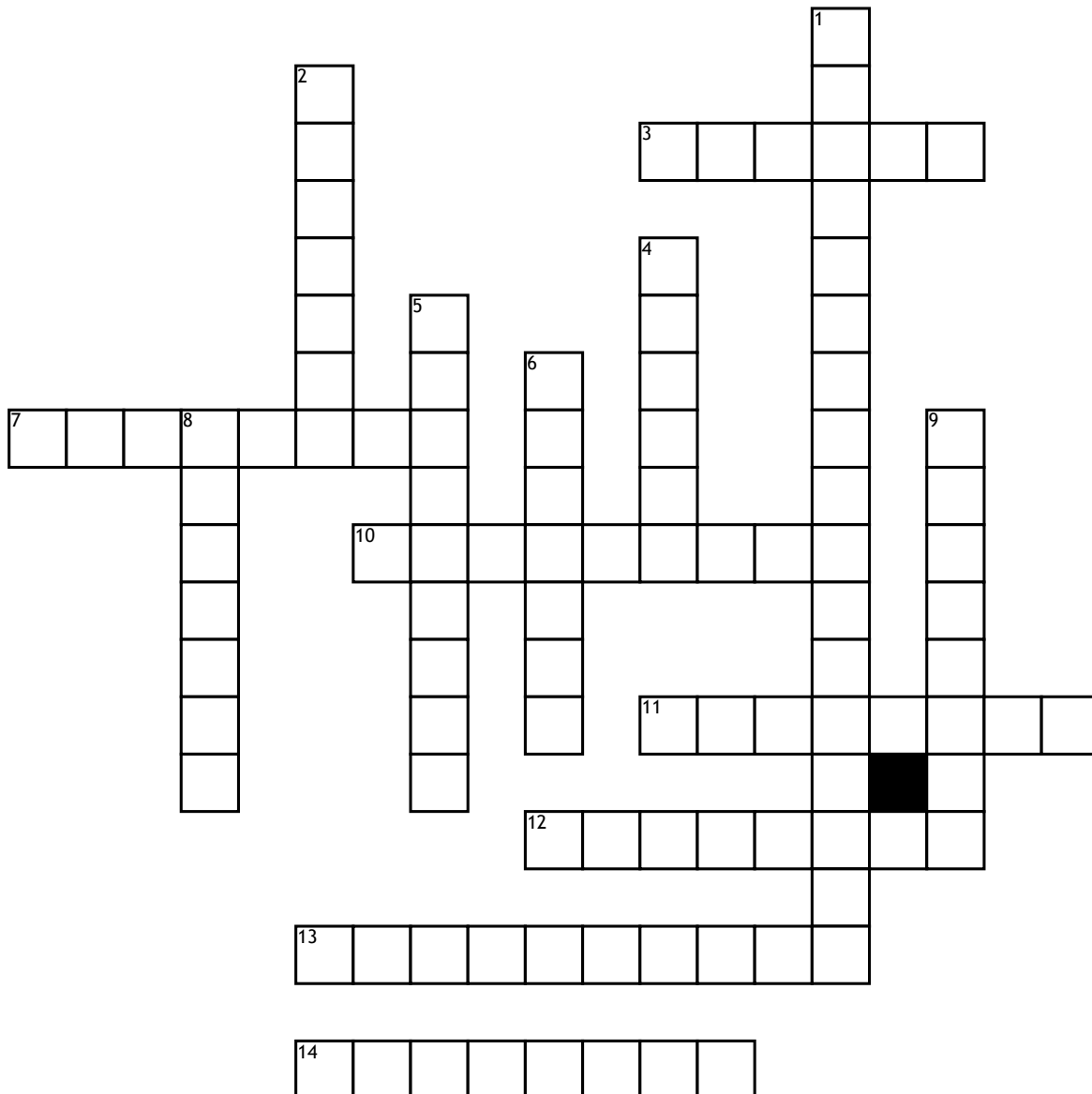


# Maths Mastery



## Across

3. To multiply out brackets in an expression. For example,  $2(3x + 7) = 6x + 14$

7. To find an approximate answer to a more difficult problem. E.g.  $31.2 \times 5.94$  is roughly equal to  $30 \times 6 = 180$ .

10. To put an expression into brackets by taking out a common factor. For example,  $20x + 15y = 5(4x + 3y)$ .

11. Two expressions which have the same value, separated by an '=' sign. E.g.  $3y = 9 + y$

12. To write a sum, expression or ratio in its lowest terms. For example  $4:10:6$  can be simplified to  $2:5:3$ .

13. A collection of terms which can contain variables (letters) and numbers. E.g.  $4pq - q + 7$

14. A number which is part of another number's times table. E.g. 35 is a multiple of 5

## Down

1. An equation where the highest power is two. For example  $x^2 + 4x + 6 = 0$  is a quadratic equation

2. An equation used to describe a relationship between two or more variables

4. A number that divides another number exactly. E.g. 4 is a factor of 12.

5. An action which when applied to one or more values gives an output value. The four most common operations are addition, subtraction, multiplication and division.

6. Another word for 'explain'. Often crops up on your maths exam. E.g. 'Calculate the mean and range for each player. Who is the better player Justify your answer.'

8. A whole number

9. Combine terms into fewer terms