

Home learning - Session 1**Fluency 15 - Year 5 expected standard****New learning****Square numbers: steps to success**

1) Square numbers: a square number is the product of a digit being multiplied by itself.

e.g. $2 \times 2 = 4$ you are multiplying 2 by itself, resulting in the square number 4

Vocab buster:

Product- the product of two numbers is the answer when they are **multiplied** together. e.g. the product of **5** and **2 = 10**. This can be written as **$5 \times 2 = 10$** .

2) Square numbers are represented by a superscript 2, this means a small 2 that floats above the line of the text. See the example below.

e.g. 2^2 the small two, which is highlighted red, shows you need to multiply 2 by itself.

3) Use these steps to success to help you with question 1-5 in the fluency.

Square numbers

1) $3^2 =$

2) $4^2 =$

3) $5^2 =$

4) $6^2 =$

5) $7^2 =$

Multiplying and dividing by 10, 100 and 1000

6) $456 \times 10 =$

7) $372 \times 100 =$

8) $78.2 \times 10 =$

9) $136 \div 1000 =$

10) $9823 \div 10 =$

Solve the calculations using the formal written method

11) $568 + 164 =$

12) $3974 + 99 =$

13) $769 - 135 =$

14) $101 - 74 =$

15) $751 - 326 =$