Home learning - Session 2

Fluency 15 - Year 5 expected standard

Focus learning

Cube numbers: steps to success

1) Cube numbers: a cube number is the product of a digit being multiplied by itself 3 times.

e.g. 2 x 2 x 2 = 8

- you are multiplying 2 by itself (2 x 2 = 4)
- then you multiply the product of the first calculation by 2 again (2 x 4 = 8)

Remember, cube numbers are not the same as multiplying the digit by 3! Do the calculation in two stages to help you!

2) Cube numbers are represented by a superscript 3, this means a small 3 that floats above the line of the text. See the example below.

e.g. 2^3 the small three, which is highlighted red, shows you need to multiply 2 by itself three times.

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

Cube numbers

1) 3^3 =

2) 4^3 =

3) 5^3 =

4) 6^3 =

5) 7^3 =

Multiplying and dividing by 10, 100 and 1000

6) 478 ÷ 10 =

7) 37.8 ÷ 100 =

8) 71.52 x 100 =

9) 23 x 1000 =

10) 5.78 x 10 =

Solve the calculations using the formal written method

11) 56.45 + 1.764 =

12) 167.4 + 97.9 =

13) 324 x 3 =

14) 52 x 7 =

15) 751 -326 =