<u>Essential Information Year 6 children need to know by instant recall</u>

1. Times tables   1-12

Once by rapid recall move onto:

- Division facts (3 x 4 = 12, 12 ÷3 = 4 etc)
- Decimals 0.3 x 4 = 1.2, 0.3 x 0.4 = 0.12 etc

2. Number bonds up to 100 *e.g.*   30+70=100   17+83=100

Once by rapid recall move onto:

- Number bonds to 1000
- Number bonds to 1 etc

3. Names and properties of the basic 2D & 3D shapes

Once secure move on to names and properties of quadrilaterals e.g rhombus, trapezium, parallelogram etc

4. How many mm in a cm, cm in a m, m in a km etc.

The children need to know all these for all the different types of measures including capacity and weight.

5. Number of degrees in a right angle, circle, straight line etc.

6. How to multiply and divide numbers by 10, 100 and moving on to 1000 including decimals.

7. How to tell the time on a 12hour and 24hour clock.

Once secure look at bus timetables and calendars.

8.   Ordering numbers and decimals

From biggest to smallest, smallest to biggest. Provide a number of different values and especially ones which look similar e.g. 2.1, 1.2, 21.0, 1.02, 1.12, 20.1, 20.01 etc.

9.   Doubling and halving numbers and decimal numbers

Start off with numbers in the units and then move on to the tens, hundreds etc. Partition to answer e.g 23 doubled = Double 20 = 40 Double 3 = 6   40 + 6 = 46.

10. Fraction, Decimal and Percentage equivalents

E.g. ½ = 0.5 = 50%,   ¼ = 0.25 = 25%

11. Money

Converting between pounds and pence
Manipulating different coins to make different values

12. The most important point – give your child confidence