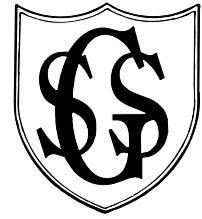


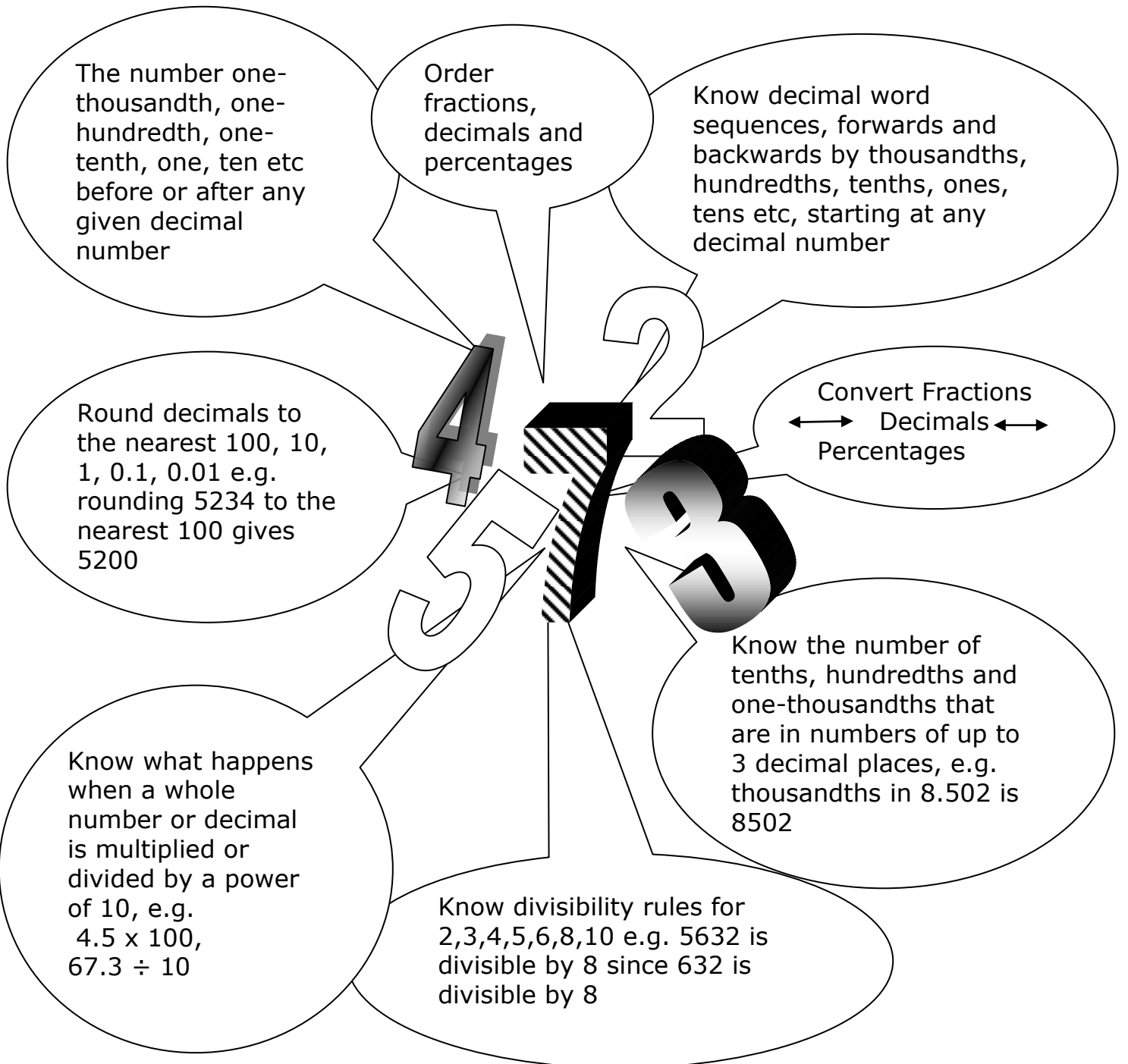


# Numeracy



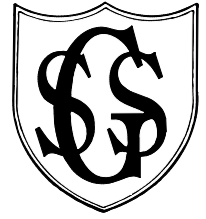
## Advanced Proportional

I am learning these key pieces of number knowledge...





# Numeracy



## More Advanced Multiplicative Part/Whole Number Knowledge

Know simple powers of numbers to 10  
e.g.  $2^4 = 16$

Use short multiplication and division of whole numbers and decimals by single digit numbers  
e.g.

$$\begin{array}{r} 14.65 \\ 4 \overline{) 58.60} \\ \underline{48} \phantom{00} \\ 10 \phantom{00} \\ \underline{8} \phantom{00} \\ 22 \phantom{00} \\ \underline{20} \phantom{00} \\ 20 \phantom{00} \\ \underline{20} \phantom{00} \\ 0 \phantom{00} \end{array}$$

Use column addition and subtraction for whole numbers and decimals to 3

Know common factors of numbers to 100 including the highest common factor, e.g. common factors of 48 and 64 = {1,2,4,8,16}

Know the least common multiples of numbers to 10, e.g. 24 is the least common multiple of 6 and 8

Use multiplication of 3 or 4 digit whole numbers by 2 digit whole numbers

$$\begin{array}{r} 753 \\ \times 49 \\ \hline 6867 \\ 30520 \\ \hline 37387 \end{array}$$

Record results of calculations using equations and diagrams