

Belgravia Maths Targets

Help At Home Guidance

I have put together an information sheet so you can help your child improve their maths at home. This is just a reference point if you are unsure of what the targets mean. By mastering these key elements of maths, children will be much better able to complete calculations and solve problems with confidence.

Number Bonds

Examples

$$8 + ? = 10$$

$$36 + ? = 100$$

$$636 + ? = 1,000$$

$$4309 + ? = 10,000$$

Place Value

Multiplying and Dividing by 10, 100 and 1000

10 000	1000	100	10	1	●	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					●			

Multiplying

X 10
X 100
X 1000

digits move LEFT 1 space
digits move LEFT 2 spaces
digits move LEFT 3 spaces



Dividing

÷ 10
÷ 100
÷ 1000

digits move RIGHT 1 space
digits move RIGHT 2 spaces
digits move RIGHT 3 spaces



Example questions

$$0.3 \times 10$$

$$0.9 \div 10$$

$$3.283 \times 100$$

$$0.923 \div 100$$

$$13.4 \times 1000$$

$$313.3 \div 1000$$

Written Calculations

Column Addition

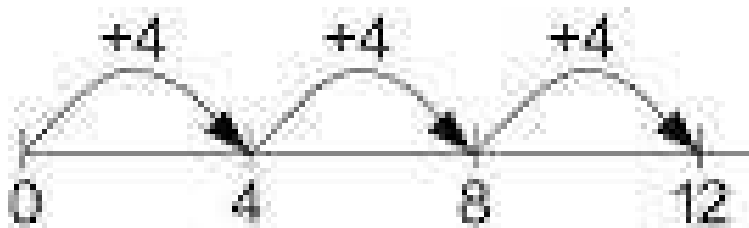
$$\begin{array}{r} 367 \\ + 85 \\ \hline 452 \\ \hline 11 \end{array}$$

Decomposition Subtraction

$$\begin{array}{r} 2\overset{3}{\cancel{4}}56 \\ 1385 \\ \hline 1071 \\ \hline \end{array}$$

Leapfrog Division

$$12 \div 4 = 3 \text{ (number of leaps)}$$



This method would also give a remainder if the number didn't divide exactly.

For example:

$$14 \div 4 = 3 \text{ r } 2 \text{ (as the last leap would be a jump of 2)}$$

Bus Stop Division

$$964 \div 7 = 137 \text{ r } 5$$

$$\begin{array}{r} 137 \text{ r } 5 \\ 7 \overline{) 964} \end{array}$$

How many 7's in 9? 1 (put at top)
remainder 2 (put before 6)

How many 7's in 26? etc...

Grid Method Multiplication

$$35 \times 26$$

Partition. Multiply. Add.

×	30	5
20	600	100
6	180	30

$$\begin{array}{r} 600 \\ 180 \\ 100 \\ + 30 \\ \hline 910 \\ 1 \end{array}$$

Short Multiplication

$$\begin{array}{r} 237 \\ \times 4 \\ \hline 948 \\ 1 \quad 2 \end{array}$$