

Multiplication

The children **should be encouraged to use this standard method.** However, for those who need support, the grid method may be used.

M7a: Column Multiplication

$$\begin{array}{r} 3647 \\ \times 4 \\ \hline 14588 \\ \hline 212 \end{array}$$

Grade of Number Primary School

M9: Long Multiplication Column

$$\begin{array}{r} 43 \\ \times 65 \\ \hline 215 \quad (5 \times 43) \\ + 2580 \quad (60 \times 43) \\ \hline 2795 \end{array}$$

Grade of Number Primary School

Division

Chunking and short division

D9c: Mega Hunk! Remainders

$$394 \div 6 = 65r4$$

Mega Hunk! Chunk

$$360 + 34$$

↓ ↓ ÷ 6

$$60 + 5r4 = 65r4$$

Grade of Number Primary School

D11c: Chunking Remainders

$$\begin{array}{r} 65r4 \\ 6 \overline{)394} \\ - 360 \quad (6 \times 60) \\ \hline 34 \\ - 30 \quad (6 \times 5) \\ \hline 4 \end{array}$$

$394 \div 6 = 65r4$

Grade of Number Primary School

D10c: Short Division

$$394 \div 6 = 65r4$$
$$\begin{array}{r} 65r4 \\ 6 \overline{)394} \end{array}$$

Grade of Number Primary School



Fibbersley Park
Academy

**YEAR 5
WRITTEN
METHODS IN
MATHS**

Move onto 4 digits – Year 5 expectation

A guide for Parents/Carers



Year 5 expectations

- Count forwards and backward with positive and negative numbers through zero.
- Count forwards/backwards in steps of powers of 10 for any given number up to 1,000,000.
- Compare and order numbers up to 1,000,000.
- Compare and order numbers with 3 decimal places.
- Read Roman numerals to 1,000.
- Identify all multiples and factors, including finding all factor pairs.
- Use known tables to derive other number facts.
- Recall prime numbers up to 19.
- Recognise and use square numbers and cube numbers.
- Recognise place value of any number up to 1,000,000.
- Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 or 100,000.
- Round decimals with 2 decimal places to nearest whole number and 1 decimal place.
- Add and subtract:
 - Numbers with more than 4-digits using formal written method.
 - Use rounding to check answers.
- Multiply:
 - 4-digits by 1-digit/ 2-digit
- Divide:
 - Up to 4-digits by 1-digit
- Multiply & divide:
 - Whole numbers & decimals by 10, 100 and 1,000
- Recognise and use thousandths.
- Recognise mixed numbers and improper fractions and convert from one to another.
- Multiply proper fractions and mixed numbers by whole numbers.
- Identify and write equivalent fractions.
- Solve time problems using timetables and converting between different units of time.

Addition

Column addition

A7e: Column Addition

$$\begin{array}{r} 787567 \\ + 446278 \\ \hline 1233845 \\ \hline \end{array}$$

Sense of Number Primary School

Addition involving money and decimals

A7g: Column Addition

$$\begin{array}{r} 1 \quad \frac{1}{10} \quad \frac{1}{100} \\ 5.65 \\ + 3.29 \\ \hline 8.94 \\ \hline \end{array}$$

Sense of Number Primary School

Subtraction

Column subtraction

S11e: Column Subtraction

$$\begin{array}{r} 8 \quad 1 \quad 7 \quad 12 \quad 1 \\ 742831 \\ - 427358 \\ \hline 315473 \\ \hline \end{array}$$

Sense of Number Primary School

Subtraction involving decimals

S11f: Column Subtraction

$$\begin{array}{r} 10 \quad 1 \quad \frac{1}{10} \\ 0 \quad 12 \quad 1 \\ 13.4 \\ - 8.7 \\ \hline 4.7 \\ \hline \end{array}$$

Sense of Number Primary School

