Parents as Partners

Dear Parents

We hope you find these Mental Maths guidelines helpful. They are designed to help raise your child's attainment.

- They indicate a standard which you can expect from your child, without using a calculator.
- All Maths work is built on prior knowledge so please look back at what is taught in earlier classes.
- Some pupils will exceed these guidelines and a few pupils may not be able to complete all tasks.
- If you child experiences real difficulty, please do contact the school.
- Spend no more than 10 minutes per night on Mental Maths.
- If you expect good results from your child you are likely to get them.

Expect Good Results – Let's Aim High

PRIMARY 5

- Count aloud forwards and backwards from numbers to at least 10,000.
- Add and subtract 1, 10, 100 to and from numbers up to 10,000.
- Know all multiplication tables up to 10 times table.
- Know division facts for these time tables.
- Extend knowledge of addition facts. e.g.
  3 + 4 = 7 23 + 4 = 27 63 + 4 = 67
  3 + 4 =7 30 + 40 = 70 300 + 400 = 700
- Add 100, 200, 300, 400 to a number.
  e.g. 63 + 400 = 463
- Recognise that 8,437 is 8,000 + 400 + 30 + 7
- Have instant recall of addition and subtraction facts to 20.
- Use "shortcuts" to calculate e.g. 67 + 99 (add 100 and subtract 1) 11 + 146 (add 10 and then 1 more).
- Calculate halves of 2 digit even numbers to 50. Calculate doubles of 2 digit numbers to 50.
- Extend telling of time to minutes to the hour

  20 to 5 04:40
- Add subtract sums of money up to £5.
  e.g. £1.50 + £3.25 £3.50 - £1.25
- Add a string of numbers or coins up to 100 (£1).
  e.g. 2p + 1p + 5p + 20p + 50p

PRIMARY 6

- Work with numbers up to 100,000.
- Add and subtract 2 digit numbers involving multiples of 10 or 100. e.g. 120 + 130, 700 + 200
- Add and subtract sums of money up to £10.
  e.g. £5.50 + £1.25. How much change from £10?
- Multiply and divide 2 digit numbers by any single digit. e.g. 27 x 8
- Multiply and divide 3 digit numbers by 10.
- Be confident in the use of multiplication and division facts (know all tables).
  e.g. $\frac{1}{4}$ of 32, 1/8 of 56
- Be able to recite 'stations' of all tables.
  e.g. 8, 16, 24, 32, 40 etc.
- Calculate halves of 2 digit even numbers to 100.
  e.g. $\frac{1}{2}$ of 76
- Calculate doubles of 2 digit even numbers to 100.
  e.g. double 34
- Recognise that 123,496 is 100,000 + 20,000 + 3,000 + 400 + 90 + 6.
  e.g. What is the value of 4?
- Be familiar with 24 hour clock.
  e.g. simple timetables – length of journey
  e.g. How long is my journey if I leave at twenty to eight and arrive at nine thirty?
- Be able to total simple common fractions.
  e.g. $\frac{1}{2} + \frac{1}{4}$, $\frac{1}{2} + \frac{3}{4}$

PRIMARY 7

- Work with numbers up to 1,000,000
- Add and subtract 3 digit numbers involving multiples of 100 including simple decimals.
  e.g. 12.5 + 10.3
- Add and subtract sums of money to £20.
  e.g. £6.25 + £5.50
  How much change from £20?
- Add and subtract units of weight, length, volume. e.g. 1m 25cm + 2m 20cm
- Multiply and divide 3 digit numbers by a single digit.
  Multiply and divide 4 digit numbers by 10 or 100.
- Write simple fractions in decimal form.
  e.g. 6/10 = 0.6
- Calculate simple percentages.
  e.g. 50% of 40, 25% of 48
- Understand the structure of numbers
  1,326,902 = 1,000,000 + 300,000 + 20,000 + 6,000 + 900 + no tens + 2
- Round numbers to the nearest whole number – ten or hundred.
  e.g. 7.8 is about 8
  31 is about 30
  737 is about 700
- Be able to convert 24 hour times to 12 hour times.
  e.g. 16.45 – 4.45pm – quarter to five in the afternoon
  01.30 – 1.30am – half past one in the morning

KILLERMONT PRIMARY SCHOOL

PARENTS AS PARTNERS

Help your Child with

MENTAL MATHEMATICS

For Primary 5 – Primary 7