

## 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 your 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
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- 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.  $27 \times 8$
- 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,  $\frac{1}{8}$  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  
 $1,326,902 = 1,000,000 + 300,000 + 20,000 + 6,000 + 900 + \underline{\text{no tens}} + 2$
- 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



## PARENTS AS PARTNERS

Help your Child with



## MENTAL MATHEMATICS

For Primary 5 – Primary 7