

Mental Calculations

Expectations



These skills and facts are important...



...for me to do well in all areas of Maths.

Year 1

Recall all pairs of numbers that total 10 ($4+6$ or $3+7$) Recall addition and subtraction facts for numbers up to 10
Know 1 more / less than a number; know 10 more / less than a multiple of ten To double numbers up to double 5
To count in 2s, 5s and 10s

Year 2

Recall all pairs of numbers that total 10 and 20 ($4+6=10$ so $4+16=20$) Recall all pairs of multiples of ten that total 100 ($40+60=100$)
Count on in tens from any 1 digit number (4, 14, 24, 34 etc)
Add and subtract multiples of 10 ($50+20=70$ and $40-20=20$)
By the end of the year all children should be able to recall the 2, 5 and 10 times table and the related division facts
Double numbers up to double 10; corresponding halves

Year 3

Add and subtract mentally combinations of 1 digit and 2 digit numbers ($34+8=42$) Recall all pairs of multiples of five and ten that total 100 ($40+60=100$ and $45+55=100$) Recall 2,3,4,5 and 6 times tables and the related division facts
Multiply 1 and 2 digit numbers by 10 and 100

Year 4

Derive and recall 2,3,4,5,6,7,8,9,10 times table and the corresponding division facts Double 2 digit numbers; corresponding halves
Double multiples of ten; corresponding halves
Recall all pairs of numbers that total 100 ($23+77=100$)

Year 5

Recall quickly multiplication facts up to 10×10 and use them to multiply pairs of multiples of 10 and 100; derive quickly corresponding division facts
Derive sums and differences and doubles and halves of decimals (eg 6.5 ± 2.7 , half of 5.6, double 0.34)
Multiply a two-digit number by a one-digit number (eg 13×9)

Year 6

Recall quickly squares of numbers to 12×12 and the corresponding squares of multiples of 10 Multiply and divide decimal numbers ($0.7 \times 5 = 3.5$)