

# Sacred Heart R.C Primary School Learning Facts Progression Overview

| Year Group                                   | Year 1   | Year 2   | Year 3   | Year 4   | Year 5  | Year 6  |
|--|--|--|--|--|---|---|
| <b>Number Bond/ Complements</b>              | Instant recall of ALL number pairs to 10 (e.g. 6+4)  | Instant recall of all number pairs to 20 (e.g. 6+14)<br><br>Instant recall of all number pairs to 100 using multiples of 10 (e.g. 60+40 or 10+90)                              | Pairs of 2-digit numbers with a total of 100 (e.g. 68+32)<br><br>Complements to 1000 with multiples of 100 (e.g. 700+300)  | Revise sums and differences of pairs of multiples of 10, 100, 1000<br><br>Decimal complements to 1-1 decimal place (e.g. 0.3+0.7)  | Decimal complements to 1 & 2 decimal places (E.g. 0.76+0.24)<br><br>Decimal complements to 10 for 1 decimal place (e.g. 6.2+3.8=10 and 4.2+4.8=8)   | Decimal complements for all whole numbers to 10 for 1 and 2 d.p. (E.g. 7.26+0.74=8)   |
| <b>Number Facts</b>                          | Addition facts for numbers 1-5 (e.g. 2+1 or 3+2 or 0+5)<br><br>One more / less than any 2-digit number<br><br>Ten more/ less than any 2-digit number | Number facts for all numbers to 12 (e.g. Facts for 6, 7, 8, 9, 10, 11 and 12)<br><br>What must be added to any 2-digit number to make the next multiple of 10. (e.g. 52+__=60) | Number facts for all numbers to 20 (e.g. facts for 13 to 19 - 10+3=13/ 14+ 5=19) & Commutative Law   | What must be added to any three-digit number to make the next multiple of 100 (e.g. 521+__=600)  | What must be added to any four-digit number to make the next multiple of 1000. (E.g. 4087 + __= 5000)<br><br>What must be added to a decimal with ones and tenths to make the next whole number (E.g. 4.8 + __=5) |   |
| <b>Doubles and Halves</b>                    | ALL doubles and halves from double 1 to double 10 and half of 2 to half of 20  | ALL doubles and halves from double 1 to double 20/ half of 2 to half of 40 (e.g. Double 17=24 / Half of 28=14)   | Doubles of all numbers to 100 with 'ones' digit 5-0 and corresponding halves (e.g. double 43, double 72, half of 46)<br><br>Reinforce all doubles and halves of all multiples of 10, 100 (e.g. 800, half of 140) | Doubles and halves of decimals to 10 for 1 decimal place. (E.g. double 3.4, half of 5.6)   | Doubles and halves of decimals to 10 for 1 decimal place. (E.g. double 3.4, half of 5.6)  | Doubles and halves of decimals to 100 for 1 and 2 d.p (E.g. double 18.45, half of 6.48)   |
| <b>Table Facts</b>                           |  | Instant recall table facts for 2, 5- and 10-times tables out of order.   | Recall of 2, 3, 4, 5, 8, 10 and 11 timetables  | Recall of all multiplication facts to 12 x 12 and then corresponding division facts (6, 7, 9- and 12-times tables)   | Square numbers up to 12x12<br><br>Multiples of 10 facts using time tables facts (e.g. multiply by 20, 40, 60, 80 etc.)  | Cube numbers to 12 x 12 x 12  |
| <b>Fractions, Decimals &amp; Percentages</b> |  |  | Reading any unit or non-unit fraction less than one. (e.g. 1/7, 3, 12, 4/8)<br><br>Fraction/ decimal equivalences for halves (1/2 = 0.5) and tenths (1/10=0.1 & 5/10 = 0.5 etc.)                                 | Pairs of fractions that total one 1/7 and 6/7)<br><br>Fraction and decimal equivalences of one half (1/2=0.5), quarters (1/4 =0.25, 2/4 = 0.5, 3/4 = 0.75<br><br>Fraction and decimal equivalences for tenths and hundredths (e.g. 3/10=0.3, 3/100=0.03) | Fraction, decimal and percentage equivalents for halves, quarters, tenths, hundredths, thirds and fifths<br><br>Find instant fraction of amounts using times tables knowledge (e.g. 1/3 of 24 = 8/ 2/3 of 23= 16) | Equivalent fraction, decimal & percentages for a half, quarters, thirds, fifths, tenths, hundredths, sixths and eighths<br><br>Find instant percentages of numbers and amounts using times tables knowledge (e.g. 70% of 40 = 28, 75% of 32 = 24) |
| <b>Properties of numbers</b>                 | Recognise odd and even numbers to 20   | Recognise odd and even numbers to 100  | Recognise odd and even numbers within any number   | Factor pairs for known multiplication facts.   | Factor pairs for numbers to 100<br><br>Prime numbers to 20  | Prime numbers up to 100<br><br>Prime factors of numbers to 100.   |