



*The*  
**Hawthorns**  
Primary School

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## Key Instant Recall Facts Year 6

### Counting and Place Value

- Count forwards and backwards from any given number, in any steps, crossing boundaries and into negative numbers.
- Know the decimal and percentage equivalents of the fractions  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$ ,  $\frac{1}{3}$ ,  $\frac{2}{3}$ , tenths and fifths.
- Calculate mentally using brackets.
- Understand the value of millions, hundred thousands, ten thousands, thousands, hundreds, tens and ones.

### Number Bonds

- Know the addition and subtraction facts for two place decimal complements of 1 (e.g.  $0.67 + 0.33$ )
- Know the addition and subtraction facts for three place decimal complements of 1 (e.g.  $0.267 + 0.733$ )

### Addition and Subtraction

- Perform mental calculation, including with mixed operations and large numbers.

Mixed operations (BIDMAS)

### Multiplication and Division Facts

- Continue to rehearse all multiplication and division facts up to  $12 \times 12$ .
- Know all square numbers to  $12 \times 12$ .
- Know all square roots to  $15 \times 15$ .
- Know all prime numbers within 100.

### Doubling and Halving

- Know doubles and halves of one place decimals (e.g. half of 0.5).
- Know doubles and halves of two place decimals (e.g. double 0.33).
- Know the doubles and halves of all multiples of 10 to 10,000.
- Know the doubles and halves of all multiples of 1000 to 100,000.

### Measures

- Know the angles on a straight line.
- Illustrate and name parts of a circle including radius, diameter and circumference.
- Know that the diameter is twice the radius.



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