

## Mathematics KPIs Year 3

### Number and place value

- \*Counts from 0 in multiples of four, eight, 50 and 100
- \*Can work out if a given number is greater or less than 10 or 100
- \*Recognises the place value of each digit in a three-digit number (hundreds, tens, and ones)
- \*Solves number problems and practical problems involving these ideas

### Addition and Subtraction

Adds and subtracts numbers mentally including:

- \*a three-digit number and ones;
- \*a three-digit number and tens; and
- \*a three-digit number and hundreds.

### Multiplication and Division

- \*Recalls and uses multiplication and division facts for the multiplication tables: 3, 4 and 8.
- \*Writes and calculates mathematical statements for multiplication and division using the multiplication tables that are known including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

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### Fractions (including decimals)

- \*Recognises and shows, using diagrams, families of common equivalent fractions
- \*Counts up and down in hundredths; recognises that hundredths arise when dividing an object by 100 and dividing tenths by 10
- \*Rounds decimals with one decimal place to the nearest whole number
- \*Solves simple measure and money problems involving fractions and decimals to two decimal places

### Measurement

- \*Measures, compares, adds and subtracts lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- \*Adds and subtracts amounts of money to give change, using both £ and p in practical contexts
- \*Tells and writes the time from an analogue clock and 12- hour and 24-hour clocks
- \*Identifies right angles, recognises that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identifies whether angles are greater than or less than a right angle

### Statistics

- \*Interprets and presents data using bar charts, pictograms and tables

## Mathematics Performance Standards Year 3

With reference to the KPIs

By the end of Y3, a child will be developing written and mental methods using the four operations including number facts and the concept of place value, and performing calculations with whole numbers

A child can:

- \*solve a range of number and place value problems;
- \*compare different shapes with reference to its angles;
- \*use measuring instruments, making reference to their units of measure;
- \*tell the time accurately;
- \*recall the majority of the multiplication tables; and
- \*read and spell mathematical vocabulary correctly and confidently, using growing word reading knowledge and knowledge of spelling.

A child is able to read and write simple fractions and decimals

