| | I am trying to learn enough maths skills so that by _____ I am at level: | 3c |
|---|---|---|

## Knowing about numbers

| | |
|---|---|
| I can read numbers to 1000 | I can continue a number sequence which goes up or down in regular steps. |
| I can write numbers to 1000 | I can find missing numbers in a number sequence. |
| I can order numbers to 1000 | I can use fractions such as ½, 1/4, 3/4, 1/5, 1/6, 1/10 etc in shapes |

## Calculating

| | |
|---|---|
| I can find a division fact from a multiplication fact (eg 14 x 5 = 70, 70 ÷ 5 = 14) | I know number pairs that total 100 (eg 37 + 63 = 100) |
| I can add two, two-digit numbers. | I can subtract two, two-digit numbers. |
| I can solve one step problems (including money and measures) that involve any of the four operations. | |

## Shape

| | |
|---|---|
| I can recognise these shapes, in different orientations: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid. | I can describe the properties of: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid (eg flat faces, curved edges) |
| I can recognise right angles in different orientations | I can sort these shapes using two properties. (eg pentagon/not pentagon or edges equal/not equal) |
| I can draw the reflection of a shape in a vertical/horizontal mirror line which is along the side of the shape | I can give directions using left and right. |

## Measures

| | |
|---|---|
| I can draw and measure lines to the nearest ½ cm | I can use m/cm, kg/g, l/ml and I know which measuring tool to use |
| I can tell the time to the nearest 5 minutes | I can calculate time durations that go over the hour |

## Data

| | |
|---|---|
| I can gather data to answer a question using a tally chart and frequency (totals) table | I can interpret a tally chart and frequency (totals) table |

| | I am trying to learn enough maths skills so that by _____ I am at level: | 3b |
|---|---|---|

## Knowing about numbers

| | |
|---|---|
| I can read numbers to 1000 | I can continue a number sequence which goes up or down in regular steps. |
| I can write numbers to 1000 | I can find missing numbers in a number sequence. |
| I can order numbers to 1000 | I can use fractions such as ½, 1/4, 3/4, 1/5, 1/6, 1/10 and 2/5, 4/10 in shapes |
| I can round 2 digit and 3 digit numbers to the nearest 10/100 | I can multiply whole numbers by 10 |

## Calculating

| | |
|---|---|
| I can find the associated number statements for a given multiplication fact (eg 14 x 5 = 70, 70 ÷ 5 =14 , 70 ÷ 14 = 5) | I know the complements of number additions to 100 (eg 100 − 37 = 63) |
| I can add two, three-digit numbers. | I can subtract two, three-digit numbers. |
| I can solve two step problems that involve addition and subtraction | I can add and subtract decimals in context (eg money) |
| I know the multiplication tables: 2x, 3x, 4x, 5x, 6x, 10x | I understand that to find a quarter of a number I can half it and half it again |
| I can multiply a two digit numbers by 2,3,4,5, 6, 10 | I can use the mental recall of addition and subtraction facts to 20 to solve problems |

## Shape

| | |
|---|---|
| I can recognise these shapes, in different orientations: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid. | I can describe the properties of: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid (eg flat faces, curved edges) |
| I can recognise right angles in different orientations | I can sort these shapes using two properties. (eg pentagon/not pentagon or edges equal/not equal) |
| I can name 'acute' and 'obtuse' angles | I understand 'regular' and 'irregular |
| I can name 'right angled ' and 'equilateral' triangles | I am beginning to recognise the nets of a cone, cube, cuboid, triangular prism, triangular/square based pyramid |
| I can draw the reflection of a shape in a mirror line | I can give directions using clockwise and anti clockwise |

more on the back...

| | I am trying to learn enough maths skills so that by _____ I am at level: | 3b |
|---|---|---|

| Measures | |
|---|---|
| I can draw and measure lines to the nearest ½ cm | I can use km/ m/cm /mm, kg/g, l/ml and I know which units to use |
| I can read scales (eg 2, 10) to the nearest half division | I understand angle as a measure of turn and know 360 degrees is a whole turn |
| I can tell the time to the nearest minute | I can calculate time durations that go over the hour |

| Data | |
|---|---|
| I can gather data to answer a question using a tally chart and frequency (totals) table | I can interpret a tally chart and frequency (totals) table |
| I can use a Venn /Carroll diagram using more than one criterion (eg right angles and equal sides) | I can extract and interpret information in bar charts, pictograms, Venn/Carroll diagrams |

| | I am trying to learn enough maths skills so that by _____ I am at level: | 3a |
|---|---|---|

| Knowing about numbers | |
|---|---|
| I can read numbers to 1000 | I know the value of the digits and can partition numbers |
| I can write numbers to 1000 | I can recognise negative numbers and continue positive /negative number sequences and find missing numbers |
| I can order numbers to 1000 | I can use fractions such as ½, 1/4, 3/4, 1/5, 1/6, 1/10 for sets of objects |
| I am beginning to use decimal notation in context (eg £3.06 = 306p) | I can recognise some fractions that are equivalent to ½ |
| I can round 2 digit and 3 digit numbers to the nearest 10/100 | I can multiply and divide whole numbers by 10 |

| Calculating | |
|---|---|
| I can use inverses in number problems (eg I think of a number, double it and add 5.The answer is 35. What is the number?) | I can understand the = sign in balancing equations (eg 7 x 10 = 82 -    ) |
| I can add two, three-digit numbers. | I can subtract two, three-digit numbers. |
| I can add two, 2-digit numbers mentally (eg 39 +19 = 58) | I can subtract two, 2-digit numbers mentally (eg 91 – 35 = 56) |
| I can divide a two digit numbers by 2,3,4,5,10 with whole number answers and remainder | I can efficiently use the grid method for multiplying 2-digit by 1-digit numbers. |
| I know the multiplication tables: 2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x | I know the doubles of numbers to 50 (eg 32 + 32 =) |
| I can solve two step problems (including money and measures) that involve any of the four operations and remainders | |

more on the back...

| | I am trying to learn enough maths skills so that by _____ I am at level: | 3a |
|---|---|---|

| Shape | |
|---|---|
| I can recognise these shapes, in different orientations: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid. | I can describe the properties of: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid (eg flat faces, curved edges) |
| | I can recognise the nets of a cone, cube, cuboid, triangular prism, triangular /square based pyramid |
| I can recognise right angles in different orientations | I can sort these shapes using two properties. (eg pentagon/not pentagon or edges equal/not equal) |
| I can compare and order angles less than 180 degrees, using acute and obtuse. | I understand 'regular' and 'irregular |
| I can name 'right angled ' and 'equilateral' triangles | I am beginning to recognise the nets of a cone, cube, cuboid, triangular prism, triangular/square based pyramid |
| I can draw the reflection of a shape in a mirror line, including diagonal mirror lines. | I can give directions using clockwise and anti clockwise, 90 degrees and quarter turns |
| I can name and draw polygons from 3 to 12 sides and can describe their properties | |

| Measures | |
|---|---|
| I can draw and measure lines to the nearest ½ cm | I can use km/ m/cm /mm, kg/g, l/ml and I know which units to use |
| I can read scales (eg 2, 10) to the nearest half division | I understand angle as a measure of turn and know 360 degrees is a whole turn |
| I can tell the time and know am and pm | I can calculate time durations that go over the hour |
| I can find the area of shapes by counting squares | I am beginning to find the perimeter of squares and rectangles |

| Data | |
|---|---|
| I can construct a bar chart (eg scale of 2) and pictogram (eg one symbol represents 10) | I can interpret a tally chart and frequency (totals) table |
| I understand 'certain' and 'impossible' in probability. | I can extract and interpret information in bar charts, pictograms, Venn/Carroll diagrams |

| | I am trying to learn enough maths skills so that by _____ I am at level: | 4c |
|---|---|---|

## Knowing about numbers

| | |
|---|---|
| I can read, write, count and order numbers to 10,000 and know the value of the digits | I can use inequalities ( eg -3 > -5) |
| I know pairs of fractions that total 1 | I understand and know simple percentages (eg 10%, 25%, 50%, 75%, 100%) and know their fraction equivalents |
| I can understand mixed numbers and position them on a number line | I can find fractions of shapes /numbers (eg 3/8 of a 6 x4 rectangle, 1/5 of 30 |
| I can use and order decimals to 1dp and continue a decimal number sequence inc. negative numbers | I can recognise equivalent fractions in diagrams (eg ¾ = 6 /8) |
| I can round four digit numbers to the nearest 10/100/1000 | I can multiply/divide whole numbers by 10/100/1000 |

## Calculating

| | |
|---|---|
| I can use inverses in number problems (eg I think of a number, double it and add 5.The answer is 35. What is the number?) | I can understand the = sign in balancing equations (eg 7 x 10 = 82 -    ) |
| I can add two, four-digit numbers. | I can subtract two, four-digit numbers. |
| I can add two, 2-digit numbers mentally (eg 39 +19 = 58) | I can subtract two, 2-digit numbers mentally (eg 91 – 35 = 56) |
| I can divide a four digit numbers by  a i-digit number (no remainders) | I can efficiently use the grid method for multiplying 4-digit by 1-digit numbers. |
| I know the multiplication tables: 2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x, 11x, 12x | I can use addition and subtraction facts for pairs of multiples to 1000 (eg 300 + 700 = 1000) |
| I can solve two step problems (including money and measures) that involve any of the four operations and remainders | I can halve whole numbers (eg 126,23) |
| I can use a calculator when appropriate and know that for example 4.50 is £4.50 in the context of money | I can do simple calculations using negative numbers |
| I can read and plot coordinates in the first quadrant. | |

more on the back...

| | I am trying to learn enough maths skills so that by _____ I am at level: | 4c |
|---|---|---|

| Shape | |
|---|---|
| I can recognise these shapes, in different orientations: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid. | I can describe the properties of: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid (eg flat faces, curved edges) |
| I can name and draw polygons from 3 to 12 sides and can describe their properties | I can recognise and draw the nets of a cone, cube, cuboid, triangular prism, triangular /square based pyramid |
| I can recognise right angles in different orientations | I can sort these shapes using two properties. (eg pentagon/not pentagon or edges equal/not equal) |
| I can compare and order angles less than 180 degrees, using acute and obtuse. | I understand 'regular' and 'irregular |
| I can name 'right angled ' and 'equilateral' triangles | I am beginning to recognise the nets of a cone, cube, cuboid, triangular prism, triangular/square based pyramid |
| I can draw the reflection of a shape in a mirror line, including diagonal mirror lines. | I can give directions using clockwise and anti clockwise, 90 degrees and quarter turns |
| I can name and draw polygons from 3 to 12 sides and can describe their properties | |

| Measures | |
|---|---|
| I can use the 24 hour clock | I know and can use the units of measure in length, mass, capacity. I can use decimal notation (eg 3.06m =3m 6cm) |
| I can read scales (eg 2, 10) to the nearest half division | I understand angle as a measure of turn and know 360 degrees is a whole turn |
| I can use timetables and calendars | I can calculate time durations that go over the hour |
| I can find the area of shapes by counting squares | I can find the perimeter of simple shapes (eg squares/rectangles) |

| Data | |
|---|---|
| I can plan an investigation and know what data to collect | I can interpret a tally chart and frequency (totals) table |
| I can calculate the median of a set of data | I can extract and interpret information in bar charts, pictograms, Venn/Carroll diagrams |
| I understand 'certain', 'impossible', 'more likely', 'equally likely', 'fair', 'unfair' in probability | |

| | I am trying to learn enough maths skills so that by _____ I am at level: | 4b |
|---|---|---|

## Knowing about numbers

| | |
|---|---|
| I can read, write, count and order numbers to 100,000 and know the value of the digits | I can use inequalities ( eg -3 > -5) |
| I know multiples, factors, square numbers, prime number | I can recognise simple equivalence between fractions, decimals and percentages (eg ½, 1/4, 1/10, 3/4) |
| I can convert mixed numbers to improper fractions and vice versa | I can find simple percentages (eg 10%, 25%, 50%, 75%) of quantities. |
| I can use and order decimals to 2dp and continue a decimal number sequence inc. negative numbers | I can multiply/divide whole numbers by 10/100/1000 |
| I can round five digit numbers to the nearest 10/100/1000 | |

## Calculating

| | |
|---|---|
| I can use inverses in number problems (eg I think of a number, double it and add 5.The answer is 35. What is the number?) | I can complete balancing equations with all four operations (eg 7 x 10 = 82 - P ) |
| I can add two, four-digit numbers, including decimals. | I can subtract two, four-digit numbers, including decimals. |
| I can add two, 2-digit numbers mentally (eg 39 +19 = 58) | I know complements of 1000 (eg 1000 - 350 =650) |
| I can divide a four digit numbers by  a i-digit number, including remainders. | I can efficiently use the grid method for multiplying 4-digit by 1-digit numbers. |
| I know the multiplication tables: 2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x, 11x, 12x and I can use my multiplication tables knowledge to calculate with multiples of 10 (eg 30 x 7, 180÷6) | I can use addition and subtraction facts for pairs of multiples to 1000 (eg 300 + 700 = 1000) |
| I can solve two step problems (including money and measures) that involve any of the four operations and remainders | I can halve whole numbers (eg 126,23) and decimals. |
| I can use a calculator when appropriate and know that for example 4.50 is £4.50 in the context of money | I can do simple calculations using negative numbers |
| I can read and plot coordinates in the two upper quadrants | |

| | I am trying to learn enough maths skills so that by _____ I am at level: | 4b |
|---|---|---|

| Shape | |
|---|---|
| I can recognise these shapes, in different orientations: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid. | I can describe the properties of: circle, square, triangle, rectangle, pentagon, hexagon, octagon, cube, cylinder, sphere, cuboid, cone, pyramid (eg flat faces, curved edges) |
| I can recognise quadrilaterals – square, rectangle, trapezium, parallelogram, rhombus, kite and describe their properties | I can recognise and draw the nets of a cone, cube, cuboid, triangular prism, triangular /square based pyramid |
| I can recognise right angles in different orientations | I can sort these shapes using two properties. (eg pentagon/not pentagon or edges equal/not equal) |
| I can compare and order angles less than 180 degrees, using acute and obtuse. | I understand "regular" ,"regular", "vertical", "horizontal" and "congruent". |
| I can recognise right angled, isosceles, equilateral and scalene triangles and describe their properties | I am beginning to recognise the nets of a cone, cube, cuboid, triangular prism, triangular/square based pyramid |
| I can draw the reflection of a shape in a mirror line, including diagonal mirror lines. | I can give directions using clockwise and anti clockwise, 90 degrees and quarter turns |
| I can complete a shape (eg rectangle) which has two sides drawn at an oblique angle on a grid | I can translate a shape horizontally and vertically |

| Measures | |
|---|---|
| I can use the 24 hour clock | I know and can use the units of measure in length, mass, capacity. I can use decimal notation (eg 3.06m =3m 6cm) |
| I can read scales (eg 2, 10) to the nearest half division | I can calculate angles along a straight line |
| I can use timetables and calendars | I can calculate time durations that go over the hour |
| I can draw and measure acute angles | I can find the area and perimeter of simple shapes (eg squares/rectangles) |

| Data | |
|---|---|
| I can plan an investigation and know what data to collect | I can collect discrete data (eg record how many scores of 6 in fifty throws of the dice) and record in a frequency table |
| I can calculate the median of a set of data | I can extract and interpret information in bar charts, pictograms, Venn/Carroll diagrams |
| I understand 'certain', 'impossible', 'more likely', 'equally likely', fair', 'unfair' in probability | I can interpret data in frequency tables |