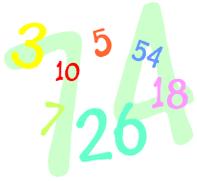# I AM WORKING AT LEVEL 1 IF…

☺ I can use the skills I learn in maths to help me do other things in class.

☺ I can talk about my maths work and use objects or drawings to show you what I mean.

☺ I can spot simple patterns and how things relate to each other.

☞ I can count numbers and put them in order.

☞ I can add and subtract when I am solving puzzles with up to 10 objects.

☞ I can read and write the numbers I am using.

☆ I can talk about the properties and positions of 2-D and 3-D shapes.

☆ I can compare and measure objects and put them in order.

☆ I can order events.

✓ I can sort and group objects and tell you how I have done it.

I AM WORKING AT LEVEL 2 IF...

☺ I can choose the maths I need to help me do things in class.

☺ I can talk about my maths work using the correct words.

☺ I can explain my working out using symbols and simple diagrams.

☺ I can tell you why my answer is right.

👍 I can count sets of objects really well and add up to 10 in my head.

👍 I am starting to know what tens and units (or ones) are and this helps me to put numbers up to 100 in order.

👍 I know whether to use addition or subtraction when solving problems.

👍 I know that addition and subtraction are the opposite of each other.

👍 I can solve money and measure problems in my head.

👍 I can spot a number sequence such as odd and even numbers.

☆ I can use the right names for some 2-D and 3-D shapes and I can tell you things about them such as how many sides or corners they have.

☆ I know the difference between moving in a straight line and turning.

☆ I know that an angle measurement can tell me how far to turn and I can turn in right angles.

☆ I am beginning to measure length and mass using some standard and some non-standard units.

✓ I can give you more than one reason why I have sorted or grouped objects in a certain way.

✓ I can collect information and show what I have learned by writing lists, tables and by making a block graph.

I AM WORKING AT LEVEL 3 IF…

☺ I can try different ways to find the answer if I get stuck when I'm solving puzzles.

☺ I can organise my work neatly and check my results.

☺ I can talk about my maths work and I am learning to explain what I am thinking.

☺ I know what diagrams and symbols mean and I can use them in my work.

☺ I can show you that I understand something by finding other things that are the same.

✌ I know numbers up to 1,000 and I can give approximate answers to questions.

✌ I am learning to work with decimal numbers in money and negative numbers in temperature.

✌ I can add and subtract 2 digit numbers up to 20 in my head and 3 digit numbers when I work it out on some paper.

👍 I know my 2,3,4,5 and 10 times tables and can work out the division facts from them.

👍 I can solve puzzles using x and ÷ including ones with a remainder in the answer.

👍 I can work with simple fractions and I can tell you when two simple fractions mean the same amount.

☆ I can group 2-D and 3-D shapes in different ways by looking at the number of sides and corners.

☆ I can group 2-D shapes by identifying reflective symmetry.

☆ I can use non standard measures in different situations.

☆ I can use mm, cm, m; mg, g, kg and ml and l to measure length, mass and capacity.

☆ I can answer questions about time using hrs, mins and secs.

✓ I can understand and use information in simple tables and lists.

✓ I can make my own bar charts and pictograms to show information I have collected.

✓ I understand what other people's bar charts and pictograms show.

I AM WORKING AT LEVEL 4 IF…

☺ I am starting to choose my own methods to solve written puzzles and practical tasks.

☺ I can present my work in a clear and organised way.

☺ I try to work out answers by using ideas and methods of my own choice.

👍 I can multiply and divide whole numbers by 10 and 100.

👍 I can work out + - x and ÷ calculations in my head using different methods.

👍 I can use my tables up to 10 x 10 and the related division facts to help me work out calculations in my head.

👍 I am good at adding, subtracting, multiplying and dividing on paper.

👍 I can add and subtract numbers with up to 2 decimal places and I can put numbers with up to 3 decimal places in order.

👍 I can check my answers by looking to see if the answer is reasonable or by estimating.

☝ I can look at a diagram that shows part of a whole and estimate how big it is.

☝ I can write down parts of a whole using simple fractions and percentages.

☝ I can work out number patterns and describe what happens in them, sometimes talking about multiples, factors and squares.

☝ I am learning how to use simple formulae when they are written in words.

☝ I can plot and work out coordinates in the 1st quadrant.

☆ I can make 3-D models.

☆ I can look at 2-D shapes from different angles and draw what I see on a grid.

☆ I can reflect simple shapes in a mirror line.

☆ I can find the perimeter of simple shapes and I can find the area by counting squares.

☆ I know how to choose and use the correct equipment to measure things.

☆ I can measure accurately, using the appropriate unit of measurement.

✓ I can collect data and record it in a frequency table.

✓ I know how to work out the mode and range of a set of data.

✓ I can sort my data into equal groups where it is necessary and show it in a diagram.

✓ I can construct a bar chart.

✓ I can understand the information given in a bar chart.

✓ I can get information from simple line graphs and I can make my own line graphs.

I AM WORKING AT LEVEL 5 IF…

☺ I can identify and obtain the information I need to solve puzzles and work through mathematical tasks.

☺ I can check my results and decide for myself if they are sensible.

☺ I can show you I understand something by describing it mathematically using symbols, words and diagrams.

☺ I can come up with my own conclusions and explain my reasoning.

👍 I can x and ÷ whole numbers and decimal numbers by 10, 100 and 1,000.

👍 I can add and subtract negative numbers and put them in order, including in word problems.

👍 I can add, subtract, multiply and divide numbers with up to 2 decimal places.

👍 I can cancel a fraction to its simplest form and solve simple ratio and proportion problems.

👍 I can work out the fraction and percentage of amounts and measurements using a calculator if I need to.

👍 I can work out the answer to a problem where I need to multiply or divide a 3-digit number by a 2-digit number without a calculator.

👍 I can check my answers by estimating and by using the inverse operation.

👍 I can use algebra to express a rule.

👍 I can understand and use simple algebraic formulae with one or two operations in them.

👍 I can use brackets appropriately.

👍 I can plot and read coordinates in all 4 quadrants.

☆ I can measure angles to the nearest degree when I am making 3-D shapes or drawing 2-D shapes.

☆ I can use the correct mathematical vocabulary associated with angles.

☆ I know the sum of the angles in a triangle and the sum of the angles around a point.

☆ I can identify all the lines of symmetry, the reflective symmetry and the rotational symmetry of 2-D shapes.

☆ I know the rough equivalents of metric and imperial units and I can convert one metric unit to another e.g. cm ➜ mm.

☆ I can make sensible estimates to do with length, mass and capacity in everyday situations.

☆ I know the formula to find the area of a rectangle and I can use it.

✓ I know how to work out the mean of a set of data and when to choose the mean to get the information I want.

✓ I can compare two sets of data using the mean, median, mode and range.

✓ I can interpret pie charts, graphs and diagrams and draw conclusions from the information given.

✓ I understand and I can use the probability scale from 0 –1.

✓ I can work out probabilities and give reasons for my answers, using language such as 'equally likely'.

✓ I know that repeating an experiment can result in different data and different outcomes.

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I AM WORKING AT LEVEL 6 IF…

☺ I can work out complex problems on my own, by breaking them down into smaller, more manageable tasks.

☺ I can show I understand information presented in a variety of ways by interpreting it, talking about it and by working things out from it.

☺ I can draw diagrams and write down an explanation of what they show.

☺ I am starting to justify my methods and my answers by giving mathematical reasons.

☞ I can use trial and improvement methods to approximate and order decimals when I am solving number problems and equations.

☞ When I am comparing things I know what number to use as 100% or a whole and I can use this to work out one number as a fraction or percentage of the other.

☞ I can convert fractions ➝ percentages ➝ decimals.

👍 I can work out ratio problems.

👍 I can add and subtract fractions by converting to a common denominator.

👍 When I look at number sequences, I can work out and describe in words the rule to find the next number or the nth number in the sequence.

👍 I can formulate and solve linear equations.

👍 I can transform a shape on a grid when the reflection, rotation, enlargement or translation is expressed algebraically, or as a set of coordinates.

☆ I can recognise and work with 2-D representations of 3-D objects.

☆ I can classify quadrilaterals according to their properties.

☆ I can solve problems by using the angle properties and symmetry properties of polygons.

☆ I can work out the angles in intersecting and parallel lines and describe their properties.

☆ I can program a computer to make and transform shapes.

☆ I know and I can use formulae to work out the circumference and area of circles and the volume of cuboids.

☆ I can enlarge shapes by a given scale factor using positive numbers.

✓ I can collect and record continuous data, creating a sensible and appropriate frequency table for it.

✓ I can construct pie charts.

✓ I can work out information from scatter diagrams and have a basic understanding of correlation.

✓ I can compare the data from two experiments and identify all the outcomes using diagrams and tables.

✓ I know that the total probability of all the outcomes of an experiment is 1.