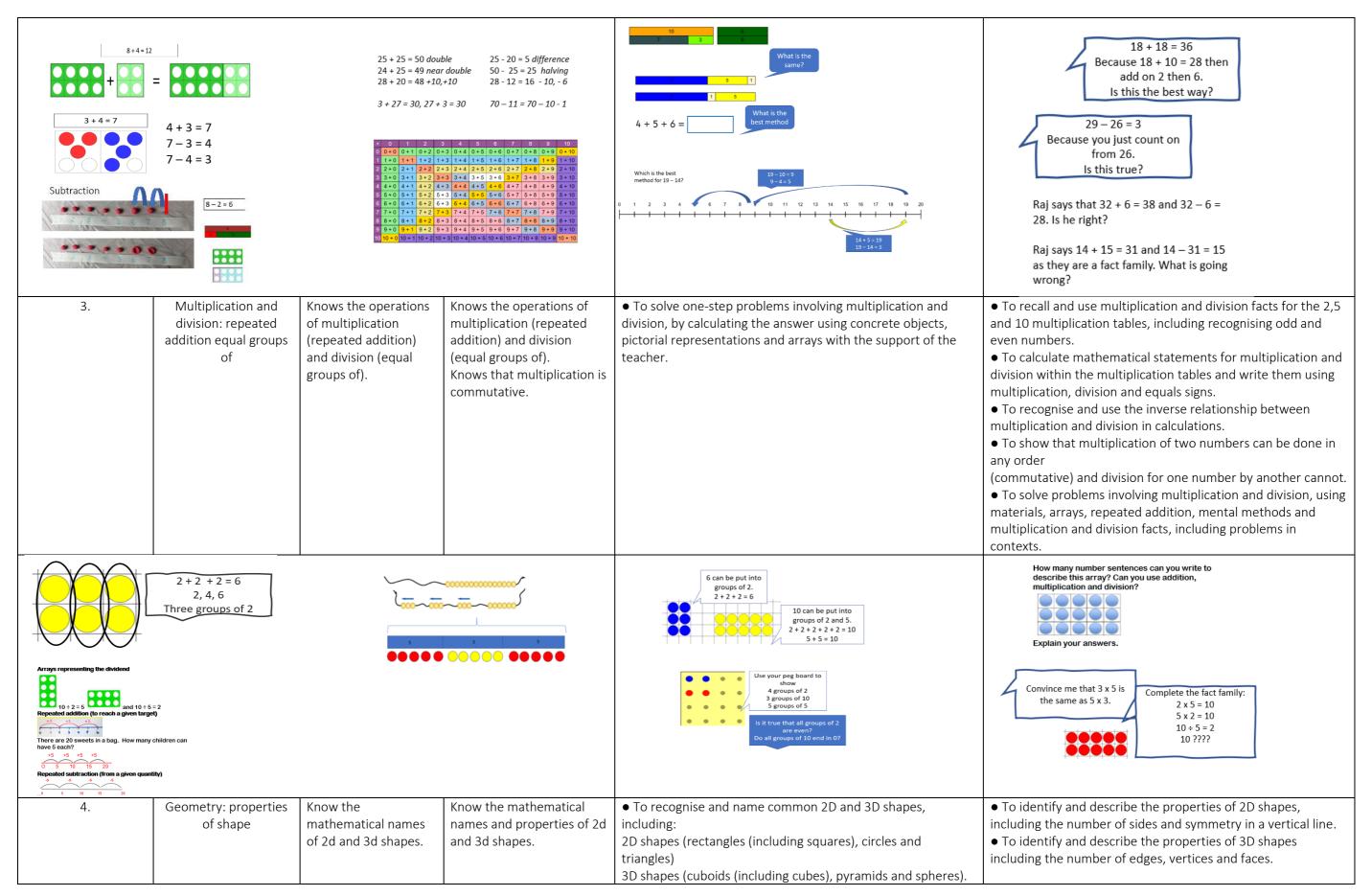




| Week. | Mathematical aspect | Non-negotiable end | Non-negotiable end points | Curriculum statements – Year 1. | Curriculum Statements. Year 2. |
|--|--|--|--|---|---|
| 1. | Number and place value: counting, reading and writing 2-digit numbers, place value | points Year 1. Knows the counting patterns from 1 to 100. Knows that counting can go forwards or backwards in order. | Year 2. Knows the properties of two digit numbers. Knows that counting can be done in varying step sizes. | To count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. To identify and represent numbers using objects and pictorial representations including the number line, and use the language of equal to, more than, less than (fewer), most, least. | To count in steps of 2, 3, and 5 from 0, and count in tens from any number, forward or backward. To recognise the place value of each digit in a two-digit number (tens, ones). To identify, represent and estimate numbers using different representations, including the number line. To compare and order numbers from 0 up to 100; use <, > and = signs. To read and write numbers to at least 100 in numerals and in words. To use place value and number facts to solve problems. |
| Count in 1s, 2s, 5s, 10s 20 21 22 23 24 25 28 27 28 29 30 3 | 31 32 33 34 35 38 37 38 39 40 60 60 6 tens 60 ones Sivity | Say one more 78 | 26 37 38 39 40 41 47 43 44 45 46 47 48 46 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 45 4 tens and 5 ones 27 tens and 7 ones 27 tens and 7 ones 27 is bigger than 23 | Count on and back is 2s 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 0 3 6 9 12 15 If i continue counting in 3s what rumber will I say next? |
| Fifty nine Sixty One ten is equal to ten ones | | Say one less | | Count on in 2s 20 22 24 28 28 30 32 34 36 38 40 Count on in 5s 20 25 30 35 40 45 50 55 60 65 70 | Convince me that both of these numbers are the same. |
| 2. | Addition and subtraction: concrete, visual and number facts | Knows that addition makes a larger total. Knows that subtraction reduces the amount. | Knows number bonds to 20. Knows efficient strategies for adding and subtracting for up to two 2-digit numbers. Knows that addition is commutative. | To read and write numbers from 1 to 20 in numerals and words. When given a number, identify one more and one less. To read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. To add and subtract one-digit and two-digit numbers to 20, including zero. | To solve problems with addition and subtraction: Using concrete objects and pictorial representations, including those involving numbers, quantities and measures Applying their increasing knowledge of mental and written methods. To recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100. To add and subtract using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. To show that addition can be done in any order (commutative) and subtraction cannot. To recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. |

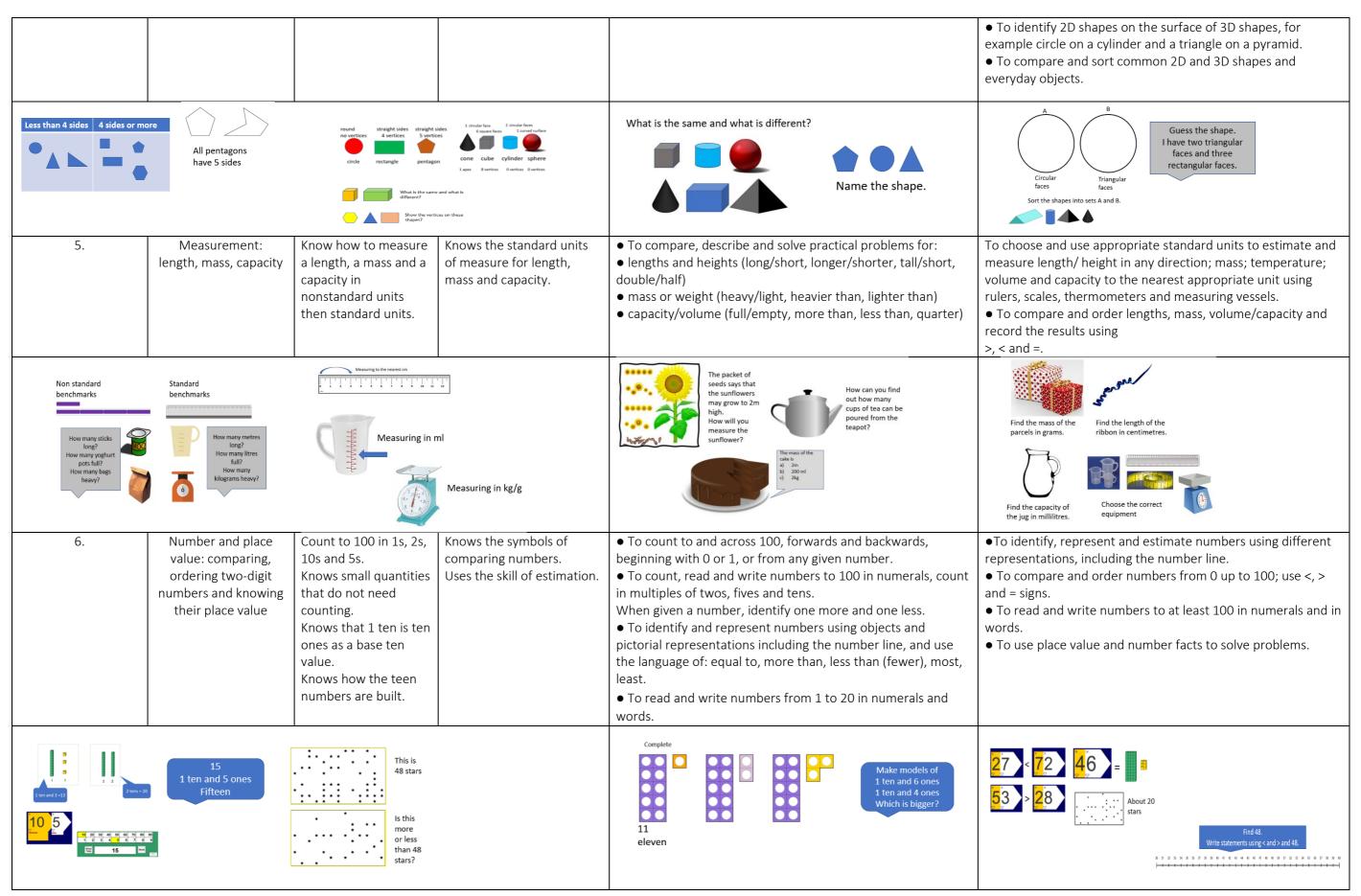












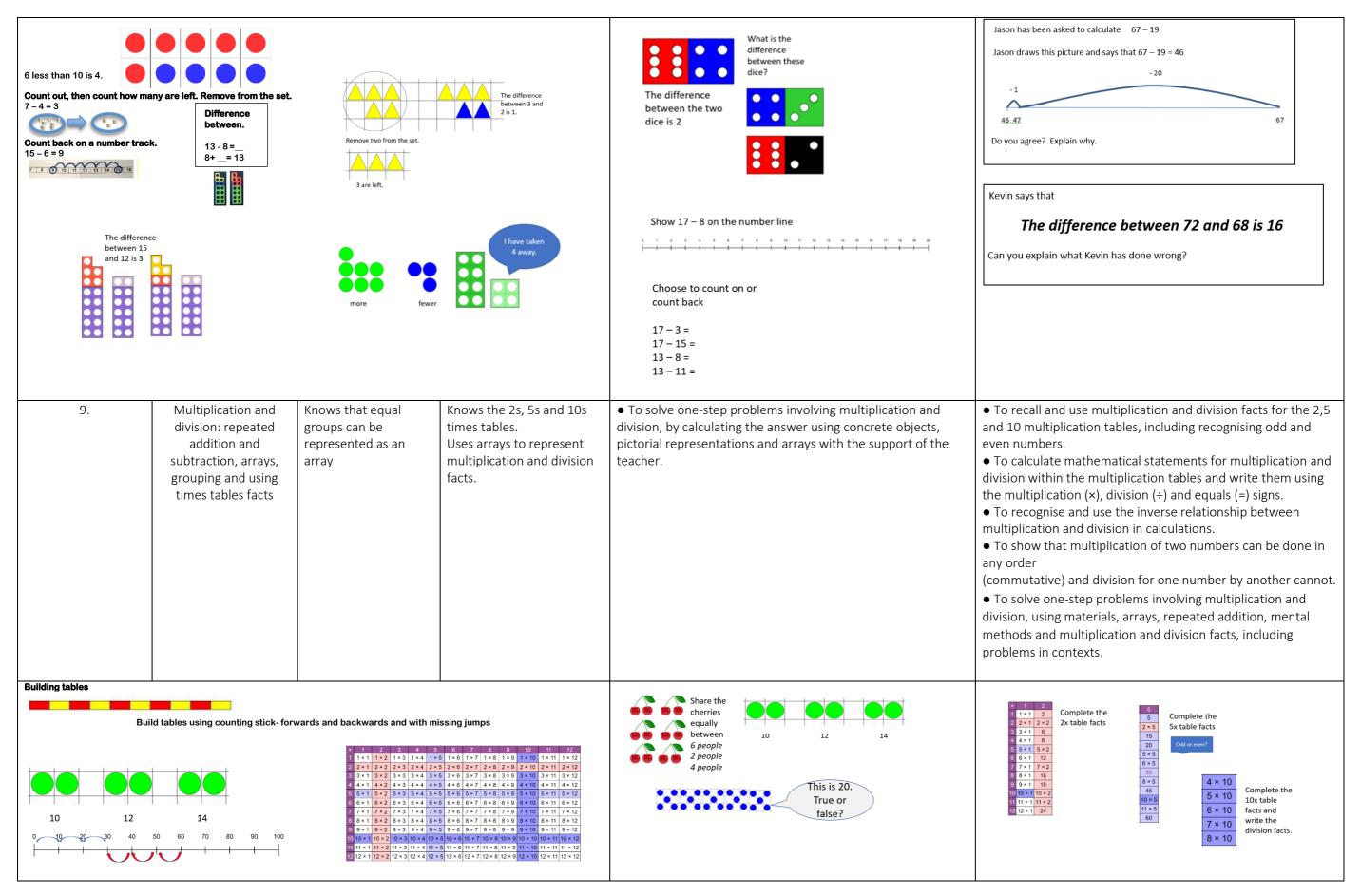




7&8. Knows the operation Knows efficient methods • To read, write and interpret mathematical statements To solve problems with addition and subtraction: Addition and subtraction: using required and using number sense, place involving addition (+), subtraction (-) and equals (=) signs. • Using concrete objects and pictorial representations, recall of addition and calculates using value, bridging, near • To represent and use number bonds and related including those involving numbers, quantities and measures subtraction facts and counting and known doubles and adjustment subtraction facts within 20. • Applying their increasing knowledge of mental and written mental calculation facts, including strategies. • To add and subtract one-digit and two-digit numbers to 20, methods. • To add and subtract using concrete objects, pictorial strategies doubles. including zero. Subtraction as take Knows that counting • To solve one-step problems that involve addition using representations, and mentally, including: a two-digit number concrete objects and pictorial representations, and missing away & back is 'take away' and and ones; a two-digit number and tens; two two-digit difference counting on is 'find the number problems such as 7 = 2 - 9. numbers; adding three one-digit numbers. (counting on and back) difference'. • To show that addition can be done in any order (commutative) and subtraction cannot. • To recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. Whole-part model Spot the mistake Add Subtract Add Bridge the 25 + 1065 - 10 18 + 4 = 18 + 2 + 2 15 + 4 = 25 + 1565 - 15 13 + 9 = 13 + 7 + 3 16 + 6 = 10 Adjustment strategy 20 = 3 + 1725 + 1765 - 55 17 + 8 = 17 + 3 + 5 17 + 8 = 20 = 17 + 35 + 9 = 77 - 9 = 10 = 10 10 = 8 + 2 Better, best 5 + 10 - 1= 14 20 - 3 = 1777-10 +1 =67+ 1 Spot the mistake 25 + 29 = 54 20 - 17 = 325 + 30 = 55, then 75 + 25 = 10076 + 34 = 100 subtract 1 100 - 24 = 7625 + 25 = 50, then How would you find the missing add 4 number? Re-arranging 18 9 Show me how to do 76 - 43Tell me what you know about 4, e.g. 3+1, 2+2 using the Dienes. 18+4= Rearrange the 4 into 2+2 18+2+2= 20+2 =22 (Round and adjust) ? ? 6 11 What is the nearest 10? 55 - 30 +3 =25 + 3 91 – 48 = Subtract 91-50 +2=41 +2 25 - 8 = 16 - 7 = 27 - 23 =











| 10. | Fractions: finding fractions of quantities, shapes and sets of objects | Knows that halves are two equal parts of a whole. Knows that quarters are 4 equal parts of a whole. | Knows that fractions are relative to the whole. Knows that fractions are equal parts to the whole. | • To recognise, find and name a half as one of two equal parts of an object, shape or quantity. | To recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4. To write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of two quarters and one half. |
|--------------------------|--|---|---|---|--|
| whole \frac{1}{2} | 1/4 2 | $\frac{1}{3} \qquad \begin{array}{c c} \text{One of equal} \\ \hline \\ $ | three | How many ways can you show $\frac{1}{2}$? Whole $\frac{1}{2}$? $\frac{1}{4}$ | Write the fraction that is shaded. Flace the fractions in the correct positions on the number line |
| 11. | Geometry: position, movement and motion | Knows that shapes can be placed in different locations. | Knows how to describe position and movement using the correct terms. | To recognise and name common 2D and 3D shapes, including: 2D shapes (rectangles (including squares), circles and triangles) 3D shapes (cuboids (including cubes), pyramids and spheres). To describe position, directions and movements, including half, quarter and three- quarter turns. | To order and arrange combinations of mathematical objects in patterns. To use mathematical vocabulary to describe position, direction and movement, including distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise) and movement in a straight line. |
| squ mo spa rigi | e blue uare has oved 2 shape be aces to the ht and 3 aces down. | e after a | | The square is above the man. The circle is below the man. The triangle is next to the man. The triangle is next to the man. | Move the green square to the same position as the black square. Describe how it has moved. |
| 12. | Measurement: time and money | Knows that days of the week and the months of the year. Knows the coins and notes by their value, size and colour. | Knows how to read the time to the nearest 15 minutes. Knows how to find totals and equivalent amounts in money using notes and coins. | To compare, describe and solve practical problems for: time (quicker, slower, earlier, later). To recognise and know the value of different denominations of coins and notes. | To compare and sequence intervals of time. • To tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. • To recognise and use the symbols for pounds and pence; combine amounts to make a particular value • To find different combinations of coins that equal the same amounts of money • To solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change |





