Number Champions
1 2 3 4 5
fun + skills = confidence

We are learning - Gold

My first name:	**Volunteer:**	**Class:**

Number and counting

I can read and write numbers to at least 1,000 in numerals (figures) and words

I can count from 0 in steps of:
☐ 4s
☐ 8s
☐50s
☐ 100s

I know the place value of 3-digit numbers and can partition these into hundreds, tens, and ones (units). For example, 372 = 3 hundreds + 7 tens + 2 ones

I can compare and order numbers to 1,000. For example, I know that 572 is smaller than 725

Addition

I can add numbers in my head ('do mental arithmetic'), including
A 3-digit number and ones ☐
A 3-digit number and tens ☐
A 3-digit number and hundreds ☐

I can use addition facts to 10 to help with more difficult addition.
For example, I know 5 +5 =10 and 5 + 3 = 8, so 95 + 8 = 95 + 5 + 3 = 100 + 3 = 103

I can add 3-digit numbers in columns using regrouping ('carrying') as needed

$$\begin{array}{rccc} & H & T & O \\ & 4 & 5 & 6 \\ + & 1 & 8 & 9 \\ \hline & & & \end{array} \qquad \begin{array}{rccc} & H & T & O \\ & 4 & 5 & 6 \\ + & 1 & 8 & 9 \\ \hline & 6 & 4 & 5 \\ & {\scriptstyle 1} & {\scriptstyle 1} & \end{array}$$

I can add groups of 10. For example, I know that 50 + 30 = 80 and 80 + 50 = 130.

I can estimate what the answer will be when I add two numbers together. For example, 77 + 32 is about 80 + 30, so it is about 110

I can solve missing number problems such as 215 + ☐ = 349

I know addition is the inverse of subtraction and I can check addition using subtraction

Subtraction

I can subtract numbers in my head ('do mental arithmetic'), including
A 3-digit number take away ones ☐
A 3-digit number take away tens ☐
A 3-digit number take away hundreds ☐

I can use addition facts in subtraction. For example, 13 + 7 = 20 so 20 – 7 = 13 and 20 – 13 = 7.

<table>
<tr><td colspan="2">20</td></tr>
<tr><td>13</td><td>7</td></tr>
</table>

I can subtract 3-digit numbers in columns, using regrouping ('borrowing') as needed

$$\begin{array}{rccc} & H & T & O \\ & 6 & 4 & 5 \\ - & 1 & 8 & 9 \\ \hline & & & \\ \hline \end{array} \qquad \begin{array}{rccc} & H & T & O \\ & {}^{5}\cancel{6} & {}^{1}{}^{3}\cancel{4} & {}^{1}5 \\ - & 1 & 8 & 9 \\ \hline & 4 & 5 & 6 \\ \hline \end{array}$$

I can subtract groups of 10. For example, I know that 50 - 30 = 20 and 120 - 50 = 70.

I can estimate the answer when I am going to subtract one number from another. For example, 187 – 46 is about 190 – 50, so I know that the answer is about 140

I can solve missing number problems such as 226 - ☐ = 145

I know subtraction is the inverse of addition and I can check subtraction sums using addition

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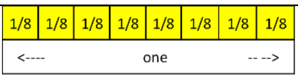
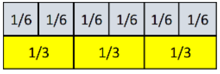
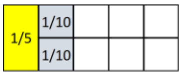
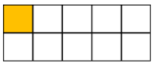
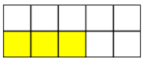
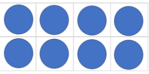
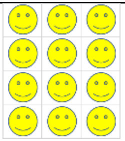
Multiplication	😎
I know my ☐2x ☐3x ☐4x ☐8x and ☐10x tables	
I can multiply a ☐ 2-digit number by a 1-digit number and a ☐3-digit number by a 1-digit number using a written method	
I can use multiplication facts to help me. For example, I know 3 x 2 = 6 so 3 x 20 = 60	
I know multiplication can be done in any order. So, 2 x 32 = 32 x 2 = 64 ('commutative') I know that multiplying three numbers gives the same answer If I multiply the two left numbers first or if I do the two right numbers first ('associative') For example, 3 x 4 x 5 = 12 x 5 = 60, and 3 x 4 x 5 = 3 x 20 = 60	
I can solve real life maths problems. For example, how many different outfits can you can wear if you have 3 coats and 4 hats? (Each of 3 coats can have 4 hats, so there are 3 x 4 = 12 choices.)	
Division	😎
I can divide a number by a 1-digit number using the written method ('short division')	
I can use multiplication facts in division. For example, 4 x 8 = 32 so 32 ÷ 8 = 4 and 32 ÷ 4 = 8	
Fractions	😎
I know if a fraction has top and bottom the same it = 1. For example, 8/8 = 1. I can see this in a diagram 	
I can add fractions up to 1. For example, $^{5}/_{7} + ^{1}/_{7} = ^{6}/_{7}$ and $^{6}/_{7} + ^{1}/_{7} = ^{7}/_{7}$ which is 1	
I can subtract fractions with the same denominator. For example, $^{6}/_{7} - ^{2}/_{7} = ^{4}/_{7}$	
I can use < and > to compare the size of fractions. So ¼ < ¾ and 4/5 > 3/5.	
I can use diagrams to understand when fractions are the same. For example, 1/3 = 2/6  and 1/5 = 2/10 	
I can make tenths from dividing an object such as a chocolate bar into 10 equal parts.  1 tenth (1/10)  3 tenths (3/10)	
I know that decimals are a way of writing fractions over 10. I know that 0.1 = $^{1}/_{10}$ and 0.3 = $^{3}/_{10}$	
I know a number with units and one decimal are ones plus tenths. For example, 2.3 = 2 + $^{3}/_{10}$	
I can count up and down in tenths, both as 1/10, 2/10. 3/10, 4/10… and as 0.1, 0.2, 0.3, 0.4…	
I can find (and write) a fraction of a set of objects. For example, ¼ of  is 2 and ¾ of  is 9	
Measurement	😎
Length/Height: ☐ I know lengths in mixed metres and centimetres . For example, 120cm = 1m plus 20 cm. ☐ I can measure the perimeter of simple 2D shapes such as rectangles.	
Money: ☐ I can add and subtract using all coins including £1s and £2s and mixed £ and pence up to £100. ☐ I can give change from £10.	
Time: I can tell time to the minute and use a.m. and p.m., noon/midday and midnight I know there are ☐ 60 seconds in a minute, ☐ 60 minutes in an hour, ☐ 24 hours in a day I know that in a normal year there are ☐ 365 days, with ☐ 31, 30, or 28 days in each month I know that in a leap year there are ☐ 366 days, with ☐ 31, 30, or 29 days in each month	