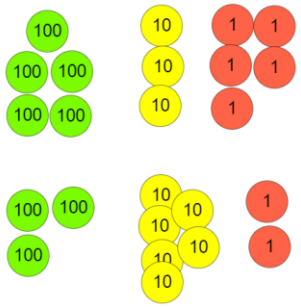
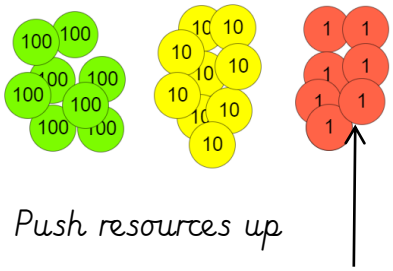
Year 4
Addition
addend + addend = sum

addend
+ addend
sum

Column addition

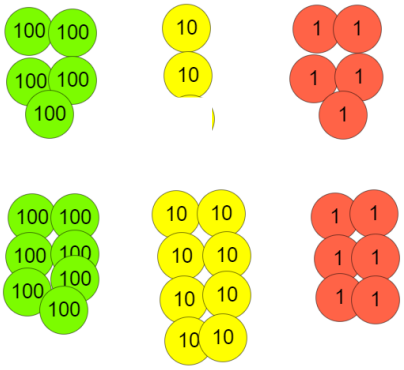
535 + 362 =

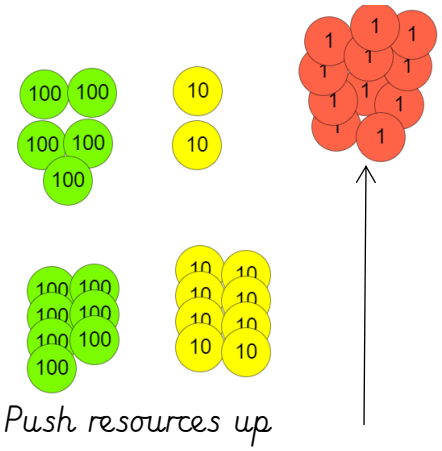
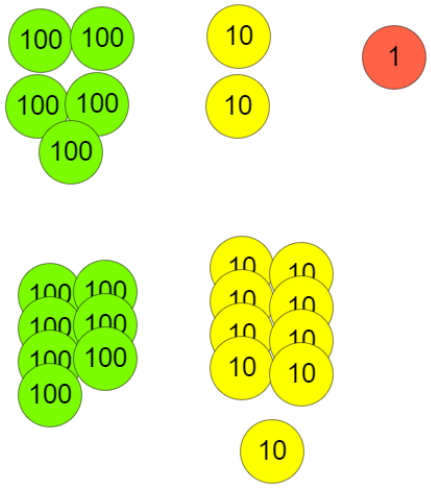
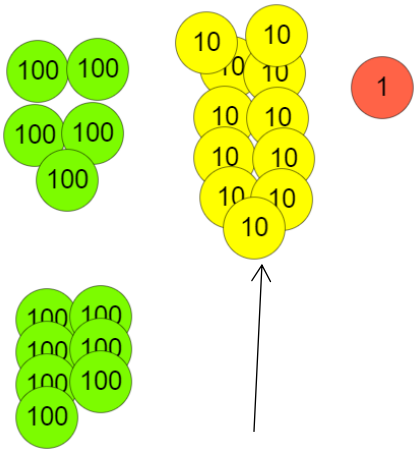
897 whole	
535 part	362 part

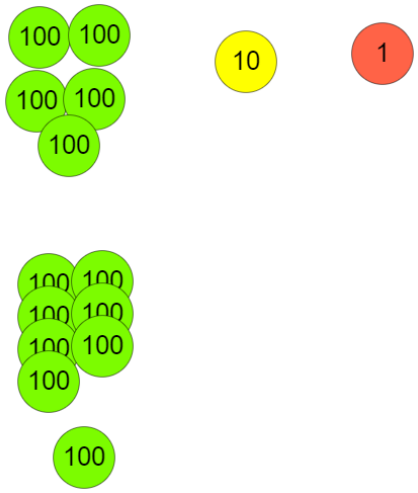
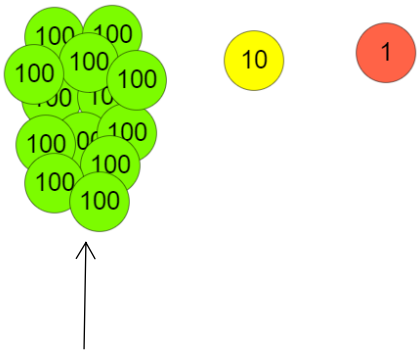
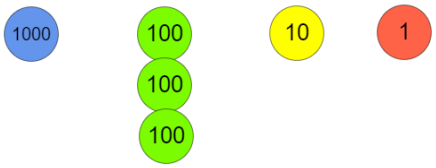
Step 1		
H T O 	5 3 5 + 3 6 2 _____	£5.35 £3.62
Step 2 H T O  Push resources up	5 3 5 + 3 6 2 8 9 7 _____	£5.35 £3.62 £8.97

525 + 786 =

1311 whole	
525 part	786 part

Step 1		
H T O 	5 2 5 + 7 8 6 _____	£5.25 £7.86

Step 2 H T O  Push resources up	5 2 5 + 7 8 6 _____	£5.25 £7.86 _____
Step 3 H T O 	5 2 5 + 7 8 6 1 _____ 1 I can regroup 10 ones for 1 ten.	£5.25 £7.86 1 _____ 1
Step 4 H T O  Push resources up	5 3 5 + 7 8 6 1 _____ 1	£5.35 £7.86 1 _____ 1

Step 5 H T O  	5 2 5 + 7 8 6 1 1 1 1 I can regroup 10 tens for 1 hundred.	£5.25 +£7.86 .11 1 1
Step 6 H T O  Push resources up	5 2 5 + 7 8 6 1 1 1 1	£5.25 +£7.86 .11 1 1
Step 7 TH H T O  	5 3 5 + 7 8 6 1 3 1 1 1 1 I can regroup 10 hundreds for 1 thousand.	£5.35 +£7.86 £13.11

Year 4

Subtraction

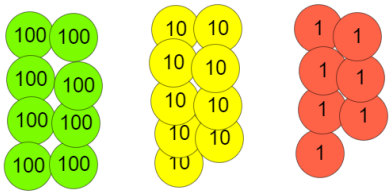
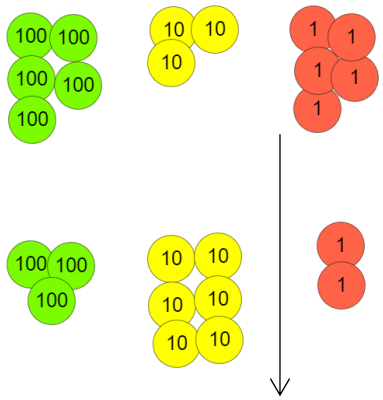
minuend - subtrahend = difference

minuend
- subtrahend
difference

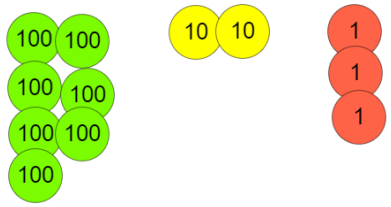
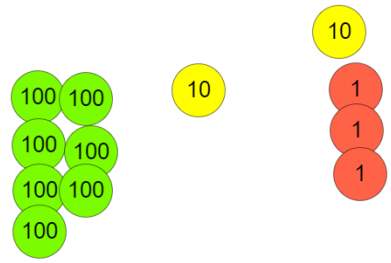
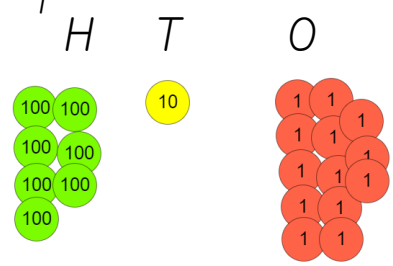
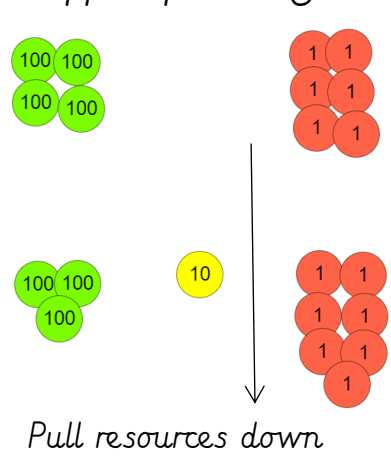
Column subtraction

897 - 362 =

897 whole	
535 part	362 part

Step 1 H T O 	8 9 7 - 3 6 2 _____	£8.97 -£3.62 _____
Step 2 H T O  Pull resources down	8 9 7 - 3 6 2 5 3 5	£8.97 -£3.62 £5.35

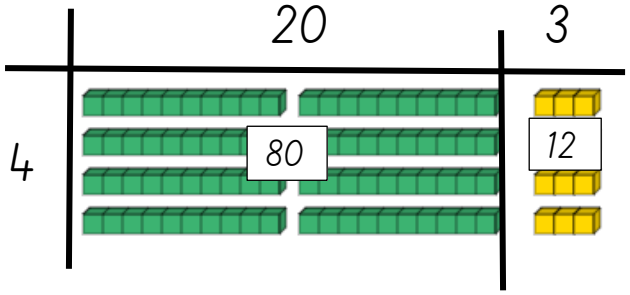
723 - 317 =

Step 1 H T O  	7 2 3 - 3 1 7 _____	£7.23 -£3.17 _____
Step 2 H T O  	7 2 3 - 3 1 7 _____	£7.23 -£3.17 _____
Step 3 H T O  	I can regroup 1 ten for 10 ones. 1 1 7 2 3 - 3 1 7 _____	1 1 £7.23 -£3.17 _____
Step 3 H T O  Pull resources down	1 1 7 2 3 - 3 1 7 4 0 6	1 1 £7.23 -£3.17 £4. 0 6

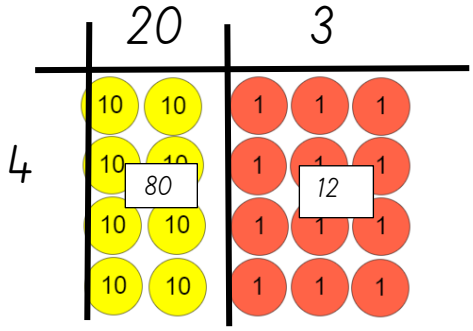
Year 4
Multiplication
multiplier x multiplicand = product

multiplicand
x multiplier
product

4 x 23



4 x 23



4 x 23

x	20	3
4	80	12

80 + 12 = 92

```
  2 3
x   4
-----
  1 2   - - - 4 x 3
  8 0   - - - 4 x 20
-----
  9 2
```

```
    2 3
x     4
-------
    9 2
-------
  1
```

92			
23	23	23	23

Year 4

Division

dividend ÷ divisor = quotient

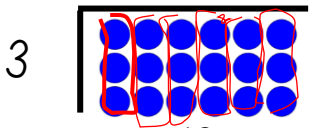
quotient

divisor ⟌ dividend ← This is the division bracket.

18 ÷ 3 = 6

6

3 ⟌ 18



Step 1 363 ÷ 3 =

3⟌363

H	T	O
100 100 100	10 10 10 10 10 10	1 1 1

Step 2 363 ÷ 3 =

1 2 1

3⟌363

H	T	O
100 100 100	10 10 10 10 10 10	1 1 1

How many groups of 3 can I make with 3 hundreds?

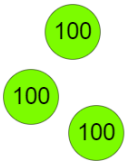
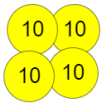
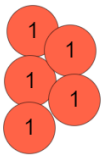
How many groups of 3 can I make with 6 tens?

How many groups of 3 can I make with 3 ones?

Step 1

$345 \div 3 =$

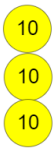
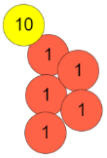
$3\overline{)345}$

H	T	O
		

Step 2

$345 \div 3 =$

$$\begin{array}{r} 11 \\ 3\overline{)345} \\ \scriptstyle 1 \end{array}$$

H	T	O
		

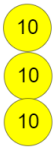
How many groups of 3 can I make with 3 hundreds?

How many groups of 3 can I make with 4 tens?

Step 3

$345 \div 3 =$

$$\begin{array}{r} 11 \\ 3\overline{)345} \\ \scriptstyle 1 \end{array}$$

H	T	O
		

I can regroup 1 ten for 10 ones.

Step 4

$345 \div 3 =$

$$\begin{array}{r} 115 \\ 3\overline{)345} \\ \scriptstyle 1 \end{array}$$

H	T	O