

Year 3: Maths – Place Value

Vocabulary

ones, tens, hundreds

Compare

Order

Greater than >
Less than <

numeral

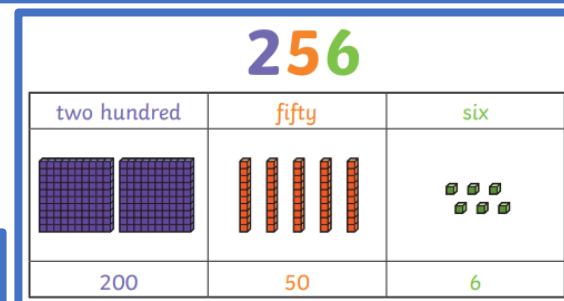
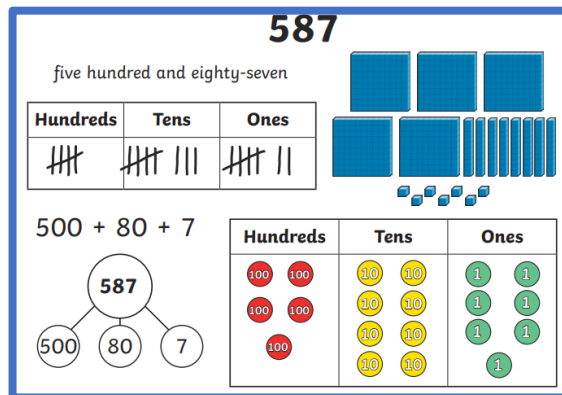
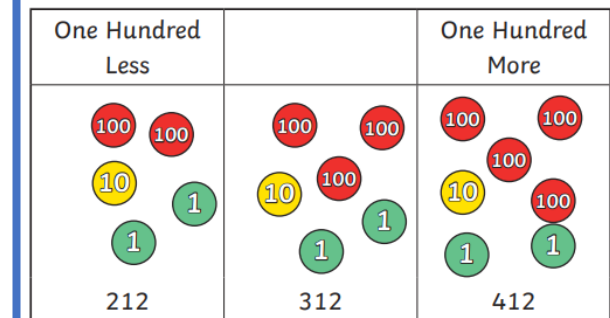
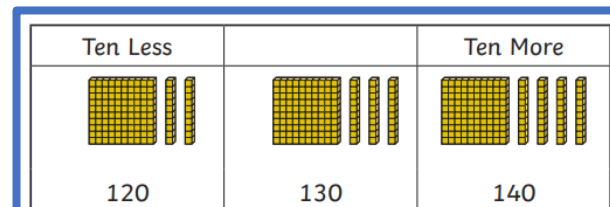
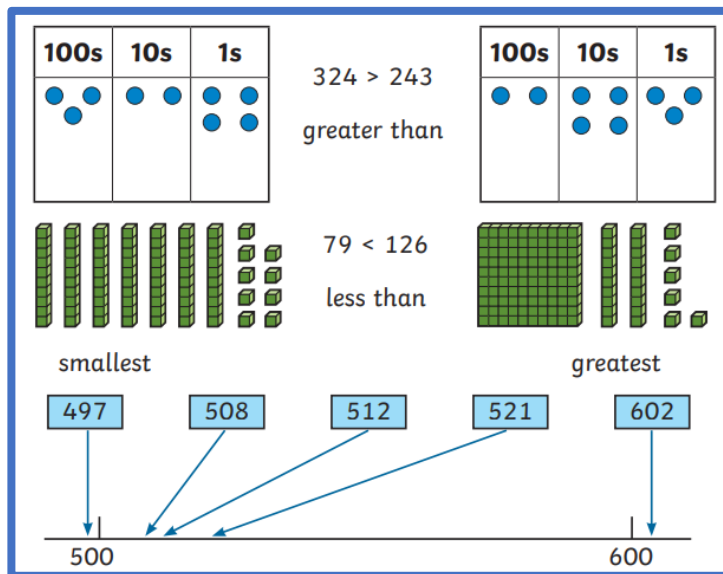
digit

Value

partition

Thousand

represent



0	4	8	12	16	20	24	28	32	36	40
0	8	16	24	32	40	48	56	64	72	80

0	50	100	150	200	250	300	350	400	450	500
0	100	200	300	400	500	600	700	800	900	1000

Year 3: Maths – Addition and Subtraction

Vocabulary

add

total

plus

sum

more

altogether

difference

subtract

less

minus

take away

column addition

column subtraction

exchange

estimate

inverse operation

solve problems

number facts

place value

Addition and Subtraction Methods

3-digit and 1-digit numbers

Not crossing 10s

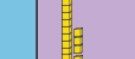
$$268 - 4 = 264$$

Hundred	Ten	Ones
		

$$343 + 6 = 349$$



Crossing 10s (Exchanging)

324		
300	20	4
300	10	14
		

$$316 + 8 = 324$$

316	8
	

$$324 - 8 = 316$$

3-digit and 2-digit numbers

Add and subtract tens

Hundred	Ten	Ones
		

$$451 + 3 \text{ tens} = 481 (5 + 3 = 8)$$

$$451 - 4 \text{ tens} = 411 (5 - 4 = 1)$$

Crossing 10s (Exchanging)

$$258 + 80 = 338$$

- Column method
- Count in 10s mentally
- Add 100, subtract 20

Crossing 10 and 100

$$\begin{array}{r} 368 \\ +73 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 368 \\ -73 \\ \hline 8 \end{array}$$

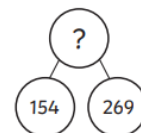
3-digit numbers

Not crossing

$$679 - 351 = 328$$

Hundred	Ten	Ones
		

Crossing 10s (Exchanging)



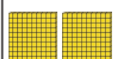
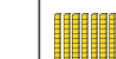
$$\begin{array}{r} 269 \\ +154 \\ \hline 423 \\ 11 \end{array}$$

514	
268	?

$$\begin{array}{r} 4101 \\ 514 \\ -268 \\ \hline 246 \end{array}$$

Add and Subtract 100s

$$284 + 300 = 584$$

Hundred	Ten	Ones
		
		

347	
273	74

$347 - 74 = 273$ can be checked using
 $273 + 74 = 347$

This part whole shows the inverse calculations using these three numbers.



$154 + 269 = 423$	$269 + 154 = 423$
$423 - 154 = 269$	$423 - 269 = 154$

Estimate by dividing the hundred into 250 and 225.
Estimate 10s (330, 340) between 325 and 350.



Estimate $167 - 89$
Use near numbers $170 - 90 = 80$

Near numbers:

413	279	521	782
↓	↓	↓	↓
400	300	500	800