Year 4	Block 2	Unit: Addition and Subtraction

Key Vocabulary:

add	total	more	estimate	difference	subtract
column addition	column subtraction	exchange		altogether	
inverse operation	solve problems				

What will I know by the end of this unit?

Efficient subtraction:

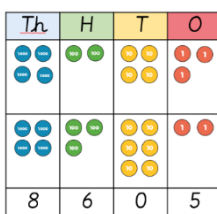6,000 – 3,617 = 2,383
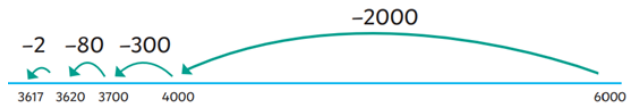
Add 4-digit numbers:
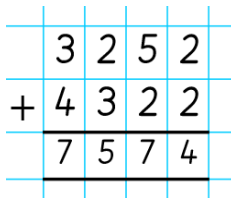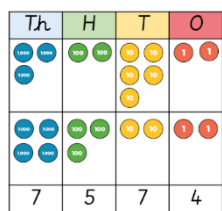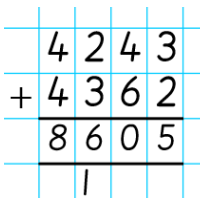
No exchange:	One exchange:	More than one exchange:
3,252 + 4,322 = 7,574	4,243 + 4,362 = 8,605	5,824 + 2,588 = 8,382
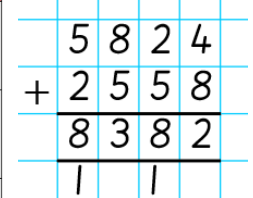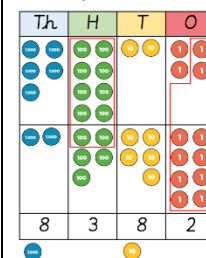
Subtract 4-digit numbers:

No exchange:	One exchange:	More than one exchange:
5,664 – 3,152 = 2,512	7,318 – 5,144 = 2,174	
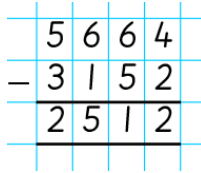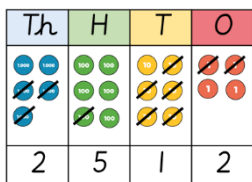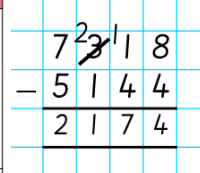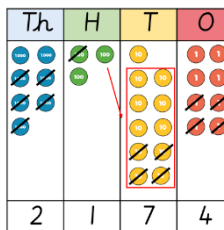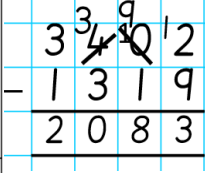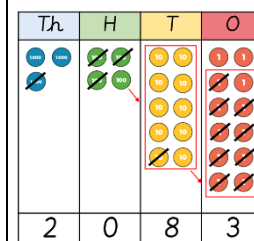
Add and subtract 1s, 10s, 100s and 1,000s:

Here is the number 3,124:

Add 2 thousands: 5,124
Add 5 hundreds: 5,624
Subtract 2 tens: 5,604
Add 5 ones: 5,609

Crossing ones, tens or hundreds:

5,392 + 4 tens = 5,432
5,126 – 600 = 4,526

When crossing ones, tens or hundreds, more than one digit will change.

Round to estimate:

1,635 + 386 = 2021
Round to the nearest 10:
1640 + 390 = 2030
Round to the nearest 100:
1,600 + 400 = 200

Both give a reasonable estimate, but rounding to the nearest ten is more accurate.

9,362 – 5,729 = 3,622
Round to the nearest 100:
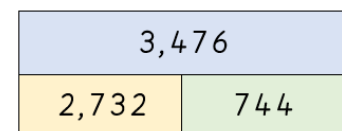9,400 – 5,700 = 3,700
Rounding to the nearest 1,000:
9,000 – 6,000 = 3,000

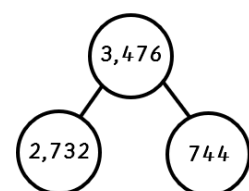Round to the nearest 100 is much more accurate in this case.

Inverse operations:

3,476 – 744 = 2,732

Can be checked using:
2,732 + 744 = 3,476

3,476 – 2,732 = 744
3,476 – 744 = 2,732
744 + 2,732 = 3,476
2,732 + 744 = 3.476