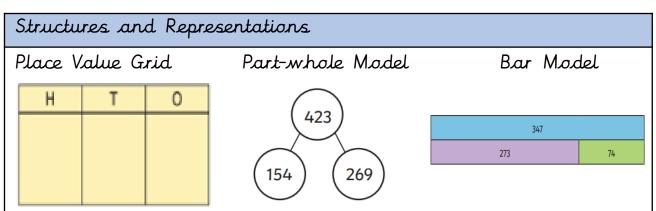


Maths Knowledge Organiser

Year 3: Addition and Subtraction

Prior Knowledge (Y2 Unit 2, 3)

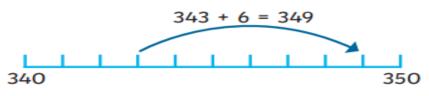
- Use related number facts
- Compare number sentences
- Make number bonds to 100
- Add and subtract ones and tens
- Add a 2-digit and a 1-digit number
- Subtract a 1-digit number from a 2-digit number





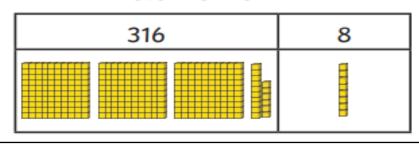
Add 3-digit and 1-digit numbers

Start with the largest number (343) and count on how much is being added (6). The answer is the number that is reached.



With exchanging

$$316 + 8 = 324$$



Subtract 3-digit and 1-digit numbers

Start from the ones, subtract each column in turn.

$$268 - 4 = 264$$

Hundred	Ten	Ones
0		0000

With exchanging

5 - 8 would give us a negative number, so we re-group. Exchange one 10, so we now have 15 - 8 = 7.

$$145 - 8 = 137$$

Н	Т	0
		00000
Н	T	0
		00000



Maths Knowledge Organiser

Year 3: Addition and Subtraction

300

3-digit numbers and 2-digit numbers

Add and subtract tens

Hundred	Ten	Ones
00	000	•

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

Crossing 10s (Exchanging)

258 + 80 = 338

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

Crossing 10 and 10		
368 +73 1	368 +73 41 10	368 +73 441 1)1
441 -73 8	313.1 441 -73 68	3131 4441 -73 368

Add/Subtract 100s

Add and Subtract 100s

284 + 300 = 584

Hundred	Ten	Ones
		UOUL

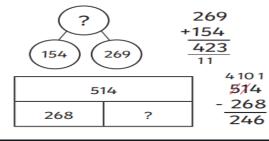
3-digit numbers

Not crossing

$$679 - 351 = 328$$

Hundred	Ten	Ones
	• • • • • • • • • • • • • • • • • • •	0000

Crossing 10s (Exchanging)



Links to Derby and Careers

Links to Derby

- Rolls Royce
- Bambardier

Links to Careers

- Accounting
- Finance
- Trader
- Scientist
- Store assistant
- Teaching

Estimating Estimate 167 - 89 Use near numbers 170 - 90 = 80 Near numbers: 413 279 521 782

500

800

Checking Strategies

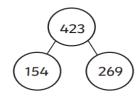
400

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