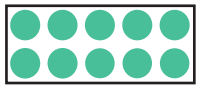
Addition
EYFS

I just knew it!

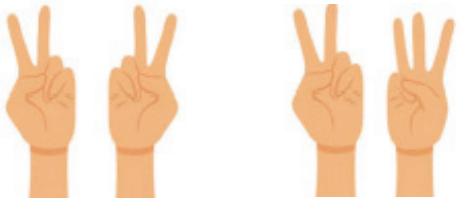
- Number facts
- Single digit numbers
- Doubles

Magic 10

When a tens frame is full there are 10 counters

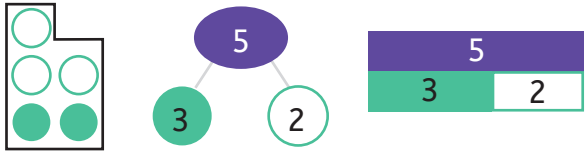


Use known addition facts



If I know 2 and 2 equals 4
then I know 2 and 3 is 1 more

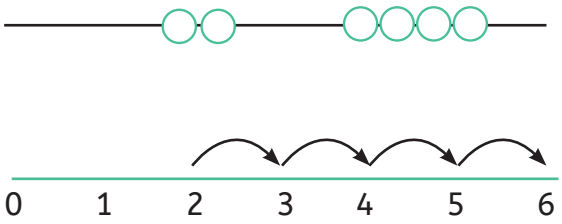
Secure composition of single digits



5 is made of 3 and 2

Subitising

Counting on in 1s

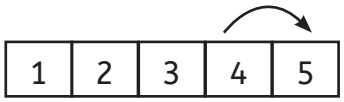


Link to 1 more

Find one more

Notice the relationships

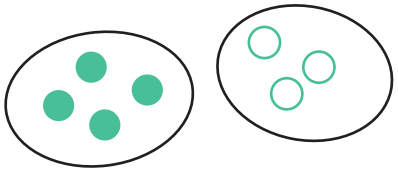
1 more than 4 is 5



1 more is the next number

Count all

4 and 3 make 7 altogether



Addition
YEAR 1

4 + 1
6 + 3
10 + 4

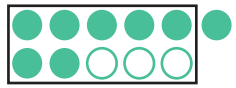
I just knew it!

- Number facts
- Single digit numbers
- Doubles
- Ten and single digits

3 + 7

Use known addition facts

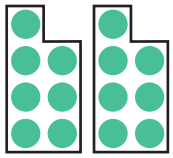
If I know 3 + 7 = 10
then I know 3 + 8 = 11
because it is 1 more

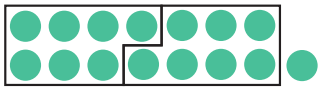


7 + 8

Use near doubles

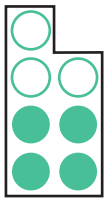
If I know 7 + 7 = 14
then I know 7 + 8 = 15
because it is 1 more

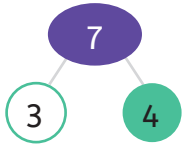




7 = 3 + 4

Secure addition bonds of single digits and ten





Notice the relationships

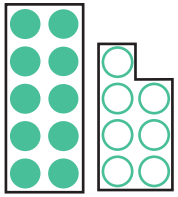
24 + 1

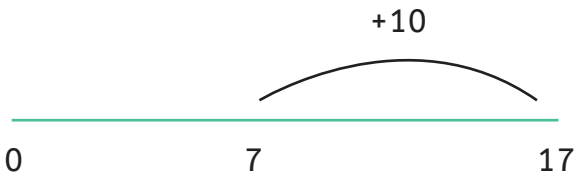
Find one more

1 more than 4 is 5
1 more than 15 is 15
1 more than 24 is 25

7 + 10

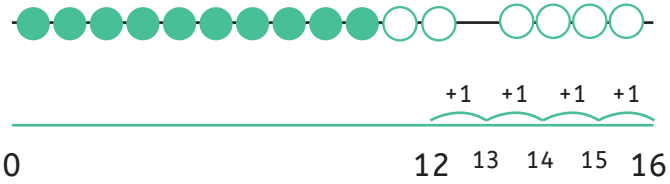
Add ten





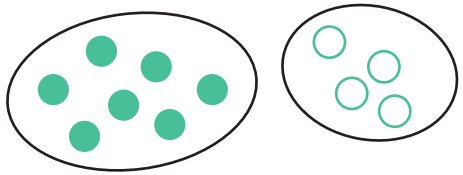
12 + 4

Counting on in 1s



7 + 4

Count all



Addition
YEAR 2

8 + 7
9 + 9
14 + 3

I just knew it!

- Number facts
- Single digit numbers
- Doubles
- Teens and single digits

5 + 18

Greatest number first
then bridge

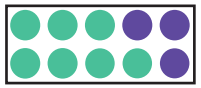
13 + 17

Use known facts

30 + 70

If I know 3 + 7 = 10
then I know
3 tens + 7 tens = 10 tens

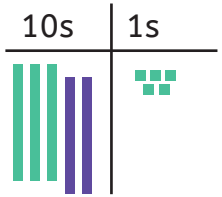
If I know 3 + 7 = 10
then I know
13 + 17 is 2 tens more



35 + 20

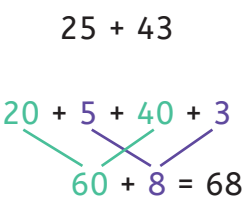
Add multiples of 10

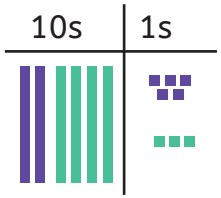
If I know 3 + 2 = 5
then I know
3 tens + 2 tens = 5 tens
so 30 + 20 = 50



25 + 43

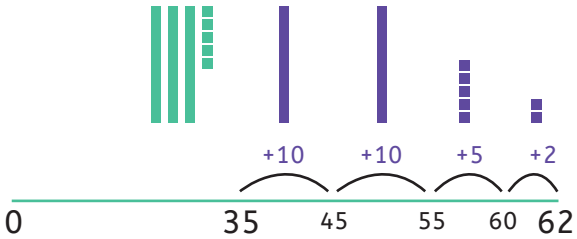
Partition and recombine





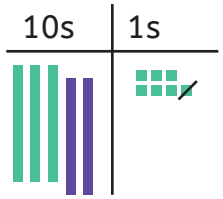
35 + 27

Count on in tens then ones



37 + 19

Round then adjust



Add 20 then subtract 1

Addition
YEAR 3

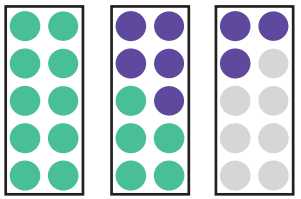
8 + 7
9 + 9
14 + 3

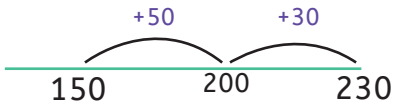
I just knew it!

- Number facts
- Single digit numbers
- Doubles
- Tens to make 100

150 + 80

Bridging boundaries

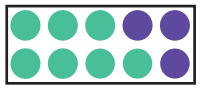




243 + 7
Use known facts
300 + 700

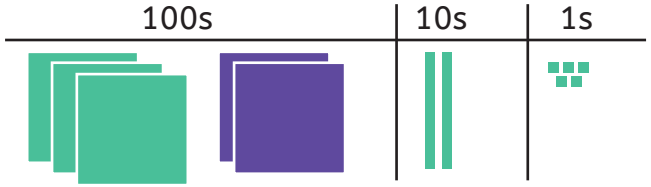
If I know 3 + 7 = 10
then I know
3 hundreds + 7 hundreds
= 10 hundreds

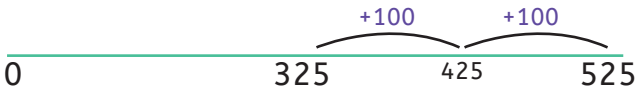
If I know 3 + 7 = 10
then I know
243 + 7 makes the
next miltiple of 10



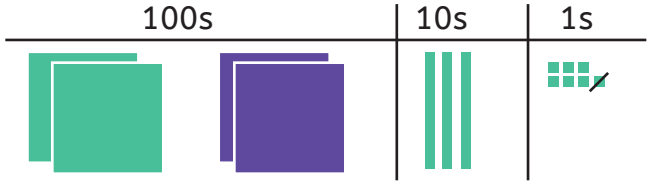
325 + 200
Add multiples of
ten and hundred

If I know 3 + 2 = 5
then I know
3 hundreds + 2 hundreds
= 5 hundreds

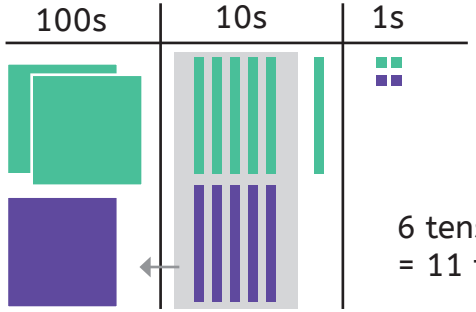




237 + 199
Round then adjust



262 + 152
Formal written method

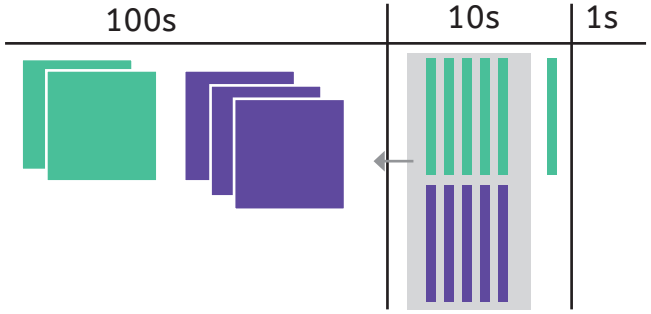


262
+152
414
1

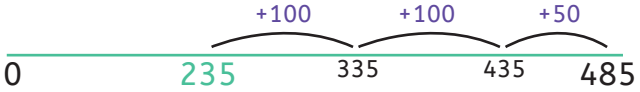
6 tens add 5 tens
= 11 tens or 110

250 + 360
Partition
and recombine

200 + 50 + 300 + 60
500 + 110 = 610



235 + 250
Count on in hundreds then tens



Addition
YEAR 4

0.9 + 0.9
74 + 26

I just knew it!

- Number facts
- Single digit decimals
- Doubles
- Bonds of 100

1.6 + 0.7

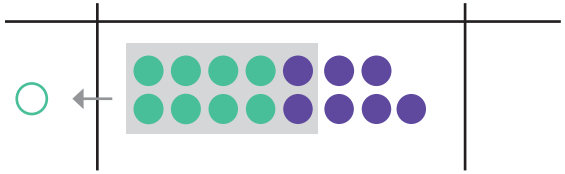
Bridge through boundaries
by counting in efficient steps

7 + 8

If I know 7 + 8 = 15
then I know
0.7 + 0.8 = 1.5

Use known facts

70 + 80 = 150
700 + 800 = 1,500

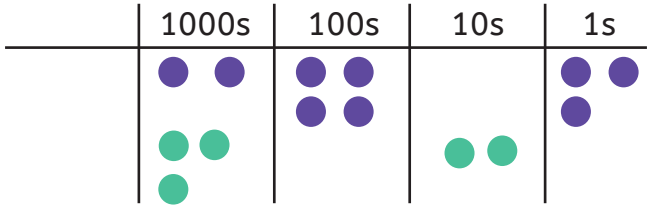


2,403 + 3,020

Use place value to add

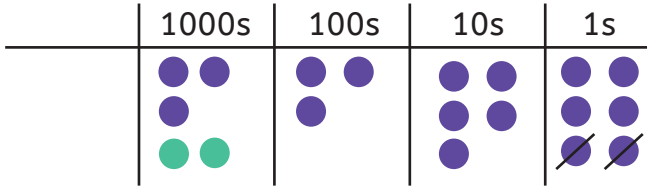
If I know 2 + 3 = 5
then I know
2000 + 3000 = 5000

I have noticed, one number has no hundreds or ones. the other has no tens

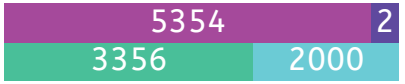


3,356 + 1,998

Round then adjust



Add 2,000
then take away 2



5,748 + 3,374

Regroup and rename

Formal written method

Exchange ten of these for one of those

```
  5,748
+3,374
 9,122
  1 1 1
```

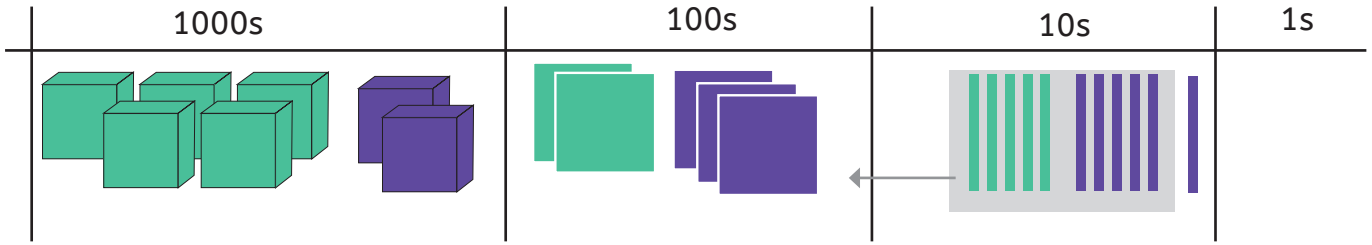
1000s	100s	10s	1s

5,250 + 2,360

Partition and recombine

5000 + 200 + 50 + 2000 + 300 + 60

7000 + 500 + 110 = 7610



Addition
YEAR 5

0.8 + 0.7
45 + 45

- Number facts
- Single digit decimals
- Doubles
- Bonds of 1 and 100

I just knew it!

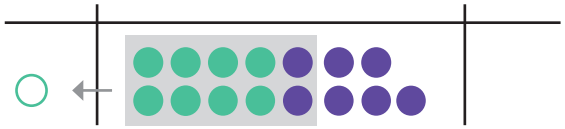
Rapid fluency of
2 digit add 2 digit numbers

7 + 8

Use known facts

If I know 7 + 8 = 15
then I know
0.7 + 0.8 = 1.5

7,000 + 8,000 = 15,000
70,000 + 80,000 = 150,000
700,000 + 800,000 = 1,500,000

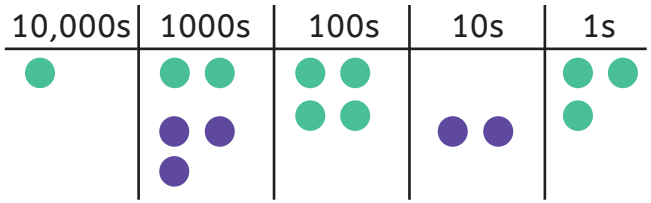


12,403 + 3,020

Use place value
to add

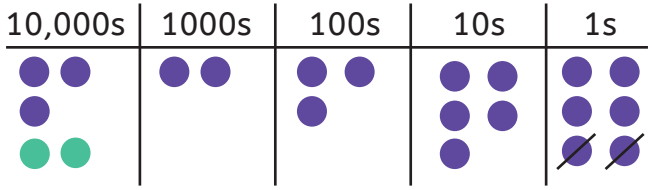
If I know 2 + 3 = 5
then I know
2000 + 3000 = 5000

I have noticed, one number has no hundreds or ones, the other has no tens



32,356 + 19,998

Round then adjust



Add 20,000
then subtract 2

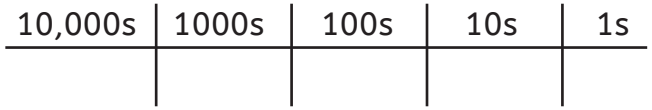
25,748 + 46,374

Formal written method

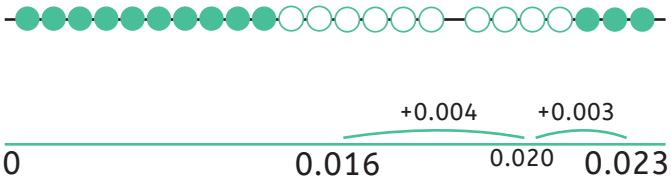
Regroup and
rename

Exchange ten of these
for one of those

25,748
+46,374
72,122
1 1 1 1



0.016 + 0.007
Bridge through boundaries
by counting in efficient steps

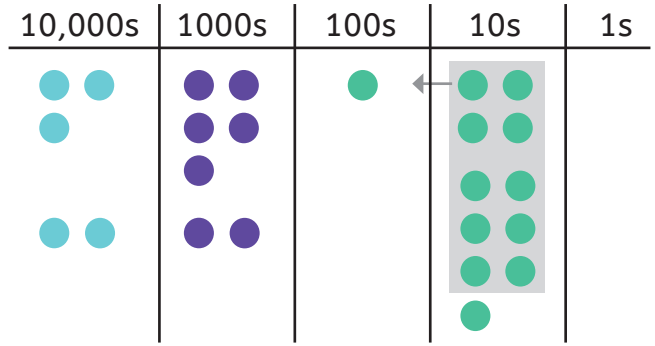


5,250 + 2,360

Partition and recombine

30,000 + 5000 + 40 + 20,000 + 2000 + 70

50,000 + 7000 + 110 = 57,110



Addition
YEAR 6

44 + 56
27 + 27

- Number facts
- Single digit decimals
- Doubles
- Bonds of 1 and 100

I just knew it!

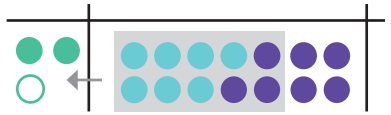
Rapid fluency of
2 digit add 2 digit numbers

17 + 17

Use known facts

If I know 17 + 17 = 34
then I know 1.7 + 1.7 = 3.4

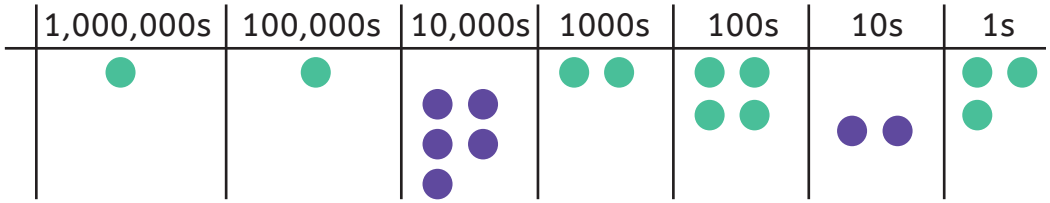
17,000 + 17,000 = 34,000
170,000 + 170,000 = 340,000
1,700,000 + 1,700,000 = 3,400,000



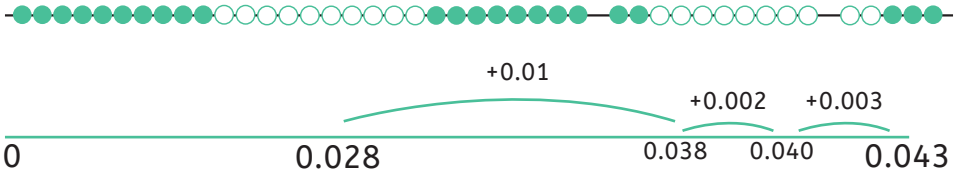
1,102,403 + 50,020

Use place value to add

I have noticed, one number has no hundreds or ones, the other has no tens



0.028 + 0.015
Bridge through boundaries
by counting in efficient steps



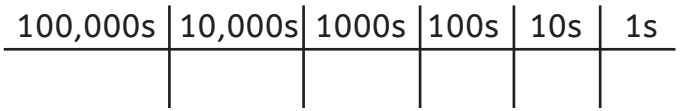
325,748 + 246,374

Formal written method

Regroup and rename

Exchange ten of these for one of those

325,748
+246,374
572,122
1 1 1 1

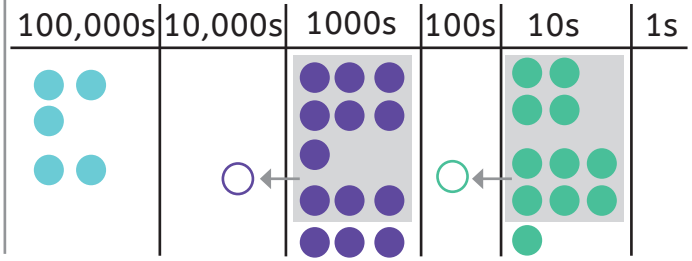


307,040 + 206,070

Partition and recombine

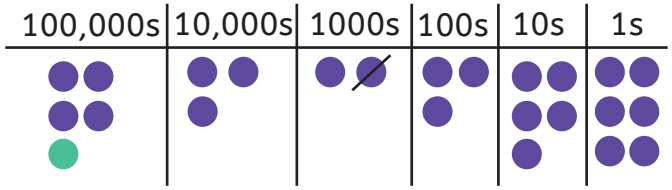
300,000 + 7000 + 40 + 200,000 + 6000 + 70

500,000 + 13,000 + 110 = 513,110



432,356 + 99,000

Round then adjust



Add 100,000
then take away 1,000