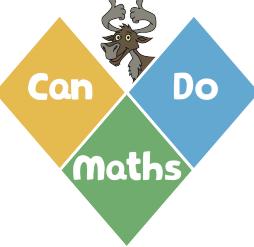


Subtraction



Year 1

2300 - 800
Bridging boundaries by counting back in efficient steps

3995 - 4007
Find the difference between two numbers

total difference tens hundreds thousands

5451 - 1999
Round then adjust

4007
3995 12

Count on 5 from 3995 to 4000, then 7 more so the difference between them is 12

Take away 2000 then add 1

2300 - 300 = 2000
2000 - 300 = 1700
1500 2000 2300

3475 4000 4007

3451 3452 5451

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Year 2

3543 - 1216
Exchanging tens

1000s 100s 10s 1s

3543 - 1216
- 1 2 1 6
2 3 2 7

If the ones digit in the minuend is less than the ones digit in the subtrahend, I need to exchange 1 ten for 10 ones.

3343 - 1756
Exchanging in multiple columns

1000s 100s 10s 1s

3543 - 835
Different numbers of digits

$\begin{array}{r} 2813 \\ - 835 \\ \hline 2508 \end{array}$

Line up the ones with the ones, the tens with the tens.

regroup exchange ones tens hundreds thousands

Year 3

230 - 80
Bridging boundaries by counting back in efficient steps

304 - 297
Find the difference between two numbers

total difference tens hundreds

435 - 199
Round then adjust

2813 304 199 7

304 is 7 more than 297
297 is 7 less than 304
so the difference between them is 7

Take away 200 then add 1

230 - 30 = 200
200 - 30 = 150
150 200 230

277 300 304

295 436 435

Year 4

345 - 127
Exchanging tens

100s 10s 1s

345 - 157
Exchanging in multiple columns

100s 10s 1s

345 - 67
Different numbers of digits

$\begin{array}{r} 2813 \\ - 67 \\ \hline 278 \end{array}$

Line up the ones with the ones, the tens with the tens.

regroup exchange ones tens hundreds

Year 5

63452 + 19999
Round then adjust

2452 - 0999
Round then adjust

40.007 - 39.995
Find the difference between two numbers

Written methods

25648
+ 42524

45748
- 26374

19374
+ 42524

68172
- 26374

41374

Add 20,000 then subtract 1

Take away 1 then add 1 thousand

Counts on 5 from 3995 to 4000, then 7 more so the difference between them is 12

Take away 2000 then add 1

63452 19999 2452 40.007 39.995 25648 42524 68172 45748 26374 19374

Year 6

68172
- 26374

41374

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Year 1

5 = 5 + 0
5 = 4 + 1
5 = 3 + 2
5 = 2 + 3
5 = 1 + 4
5 = 0 + 5

6 = 5 + 0
6 = 4 + 1
6 = 3 + 2
6 = 2 + 3
6 = 1 + 4
6 = 0 + 5

7 = 7 + 0
7 = 6 + 1
7 = 5 + 2
7 = 4 + 3
7 = 3 + 4
7 = 2 + 5
7 = 1 + 6
7 = 0 + 7

8 is the whole
2 is a part
6 is a part

5 is the whole
2 is a part
3 is a part

add total subtract left

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

17 = 17 + 0
17 = 16 + 1
17 = 15 + 2
17 = 14 + 3
17 = 13 + 4
17 = 12 + 5
17 = 11 + 6
17 = 10 + 7
17 = 9 + 8
17 = 8 + 9
17 = 7 + 10
17 = 6 + 11
17 = 5 + 12
17 = 4 + 13
17 = 3 + 14
17 = 2 + 15
17 = 1 + 16
17 = 0 + 17

18 = 18 + 0
18 = 17 + 1
18 = 16 + 2
18 = 15 + 3
18 = 14 + 4
18 = 13 + 5
18 = 12 + 6
18 = 11 + 7
18 = 10 + 8
18 = 9 + 9
18 = 8 + 10
18 = 7 + 11
18 = 6 + 12
18 = 5 + 13
18 = 4 + 14
18 = 3 + 15
18 = 2 + 16
18 = 1 + 17
18 = 0 + 18

19 = 19 + 0
19 = 18 + 1
19 = 17 + 2
19 = 16 + 3
19 = 15 + 4
19 = 14 + 5
19 = 13 + 6
19 = 12 + 7
19 = 11 + 8
19 = 10 + 9
19 = 9 + 10
19 = 8 + 11
19 = 7 + 12
19 = 6 + 13
19 = 5 + 14
19 = 4 + 15
19 = 3 + 16
19 = 2 + 17
19 = 1 + 18
19 = 0 + 19

20 = 20 + 0
20 = 19 + 1
20 = 18 + 2
20 = 17 + 3
20 = 16 + 4
20 = 15 + 5
20 = 14 + 6
20 = 13 + 7
20 = 12 + 8
20 = 11 + 9
20 = 10 + 10
20 = 9 + 11
20 = 8 + 12
20 = 7 + 13
20 = 6 + 14
20 = 5 + 15
20 = 4 + 16
20 = 3 + 17
20 = 2 + 18
20 = 1 + 19
20 = 0 + 20

18 = 18 + 0
18 = 17 + 1
18 = 16 + 2
18 = 15 + 3
18 = 14 + 4
18 = 13 + 5
18 = 12 + 6
18 = 11 + 7
18 = 10 + 8
18 = 9 + 9
18 = 8 + 10
18 = 7 + 11
18 = 6 + 12
18 = 5 + 13
18 = 4 + 14
18 = 3 + 15
18 = 2 + 16
18 = 1 + 17
18 = 0 + 18

19 = 19 + 0
19 = 18 + 1
19 = 17 + 2
19 = 16 + 3
19 = 15 + 4
19 = 14 + 5
19 = 13 + 6
19 = 12 + 7
19 = 11 + 8
19 = 10 + 9
19 = 9 + 10
19 = 8 + 11
19 = 7 + 12
19 = 6 + 13
19 = 5 + 14
19 = 4 + 15
19 = 3 + 16
19 = 2 + 17
19 = 1 + 18
19 = 0 + 19

12 = 12 + 0
12 = 11 + 1
12 = 10 + 2
12 = 9 + 3
12 = 8 + 4
12 = 7 + 5
12 = 6 + 6
12 = 5 + 7
12 = 4 + 8
12 = 3 + 9
12 = 2 + 10
12 = 1 + 11
12 = 0 + 12

20 = 20 + 0
20 = 19 + 1
20 = 18 + 2
20 = 17 + 3
20 = 16 + 4
20 = 15 + 5
20 = 14 + 6
20 = 13 + 7
20 = 12 + 8
20 = 11 + 9
20 = 10 + 10
20 = 9 + 11
20 = 8 + 12
20 = 7 + 13
20 = 6 + 14
20 = 5 + 15
20 = 4 + 16
20 = 3 + 17
20 = 2 + 18
20 = 1 + 19
20 = 0 + 20

18 = 18 + 0
18 = 17 + 1
18 = 16 + 2
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12 = 3 + 9
12 = 2 + 10
12 = 1 + 11
12 = 0 + 12

20 = 20 + 0
20 = 19 + 1
20 = 18 + 2
20 = 17 + 3
20 = 16 + 4
20 = 15 + 5
20 = 14 + 6
20 = 13 + 7
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19