

You CanDo all the multiplication facts of 3.

|    |     |      |          |
|----|-----|------|----------|
| 0  | x 3 | = 0  | = 3 x 0  |
| 1  | x 3 | = 3  | = 3 x 1  |
| 2  | x 3 | = 6  | = 3 x 2  |
| 3  | x 3 | = 9  | = 3 x 3  |
| 4  | x 3 | = 12 | = 3 x 4  |
| 5  | x 3 | = 15 | = 3 x 5  |
| 6  | x 3 | = 18 | = 3 x 6  |
| 7  | x 3 | = 21 | = 3 x 7  |
| 8  | x 3 | = 24 | = 3 x 8  |
| 9  | x 3 | = 27 | = 3 x 9  |
| 10 | x 3 | = 30 | = 3 x 10 |
| 11 | x 3 | = 33 | = 3 x 11 |
| 12 | x 3 | = 36 | = 3 x 12 |

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If I know... then I also know...

The digit sum of multiples of 3 is 3, 6 or 9

An odd number multiplied by 3 gives an odd product.

You CanDo all the multiplication facts of 4.

|    |     |      |          |
|----|-----|------|----------|
| 0  | x 4 | = 0  | = 4 x 0  |
| 1  | x 4 | = 4  | = 4 x 1  |
| 2  | x 4 | = 8  | = 4 x 2  |
| 3  | x 4 | = 12 | = 4 x 3  |
| 4  | x 4 | = 16 | = 4 x 4  |
| 5  | x 4 | = 20 | = 4 x 5  |
| 6  | x 4 | = 24 | = 4 x 6  |
| 7  | x 4 | = 28 | = 4 x 7  |
| 8  | x 4 | = 32 | = 4 x 8  |
| 9  | x 4 | = 36 | = 4 x 9  |
| 10 | x 4 | = 40 | = 4 x 10 |
| 11 | x 4 | = 44 | = 4 x 11 |
| 12 | x 4 | = 48 | = 4 x 12 |

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All multiples of 4 are even numbers.

There is a repeating pattern in the ones column: 0, 4, 8, 2, 6

You CanDo all the multiplication facts of 8.

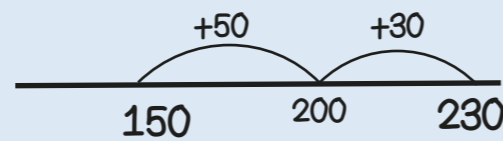
|    |     |      |          |
|----|-----|------|----------|
| 0  | x 8 | = 0  | = 8 x 0  |
| 1  | x 8 | = 8  | = 8 x 1  |
| 2  | x 8 | = 16 | = 8 x 2  |
| 3  | x 8 | = 24 | = 8 x 3  |
| 4  | x 8 | = 32 | = 8 x 4  |
| 5  | x 8 | = 40 | = 8 x 5  |
| 6  | x 8 | = 48 | = 8 x 6  |
| 7  | x 8 | = 56 | = 8 x 7  |
| 8  | x 8 | = 64 | = 8 x 8  |
| 9  | x 8 | = 72 | = 8 x 9  |
| 10 | x 8 | = 80 | = 8 x 10 |
| 11 | x 8 | = 88 | = 8 x 11 |
| 12 | x 8 | = 96 | = 8 x 12 |

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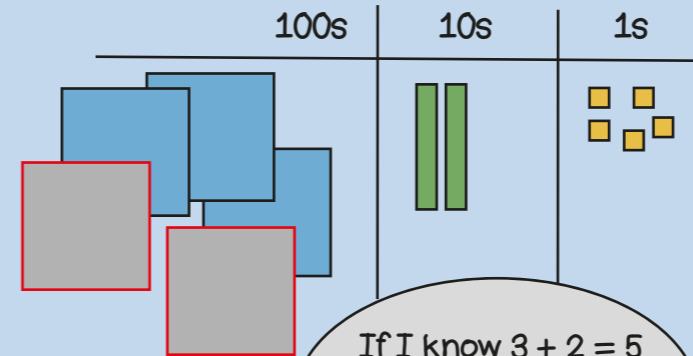
All multiples of 8 are even numbers.

All multiples of 8 are also multiples of 2 and 4

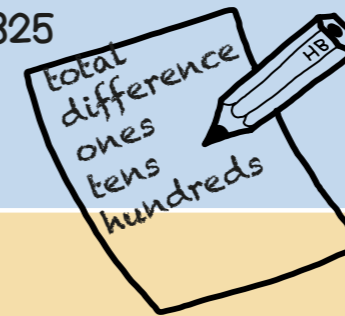
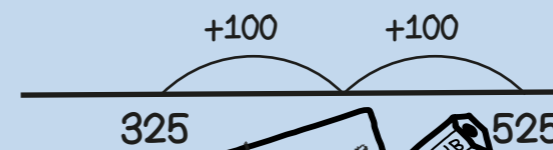
### 150 + 80 Bridging boundaries



### 325 + 200 Add multiples of ten and a hundred

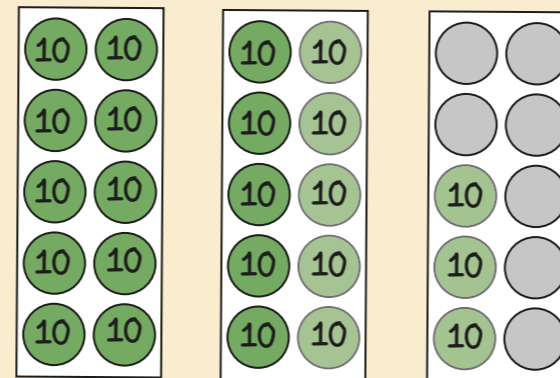


If I know  $3 + 2 = 5$  then I know 3 hundreds + 2 hundreds = 5 hundreds

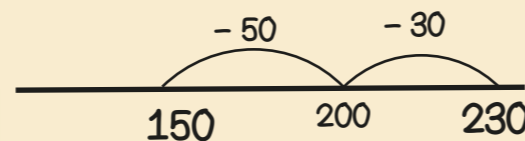


## Year 3 Term 2

### 230 - 80 Bridging boundaries by counting back in efficient steps



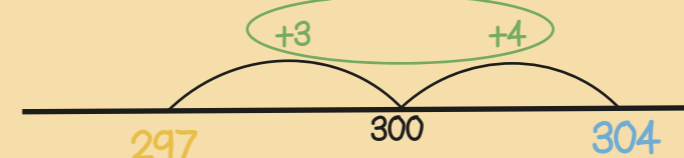
$$230 - 30 - 50 = 150$$



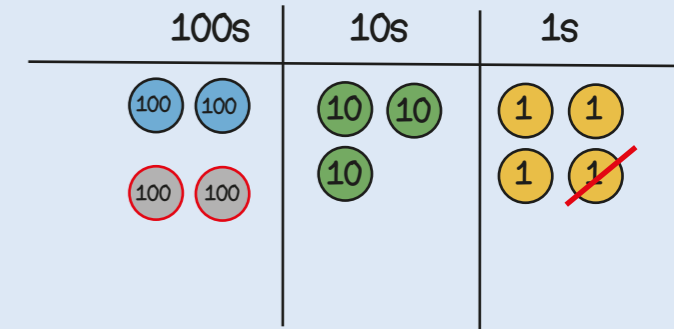
### 304 - 297 Find the difference between two numbers



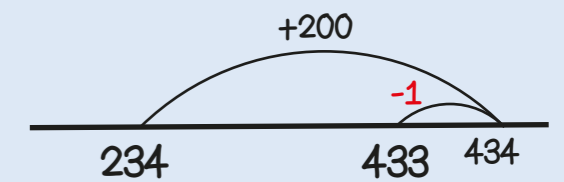
304 is 7 more than 297  
297 is 7 less than 304  
so the difference between them is 7



### 234 + 199 Round then adjust

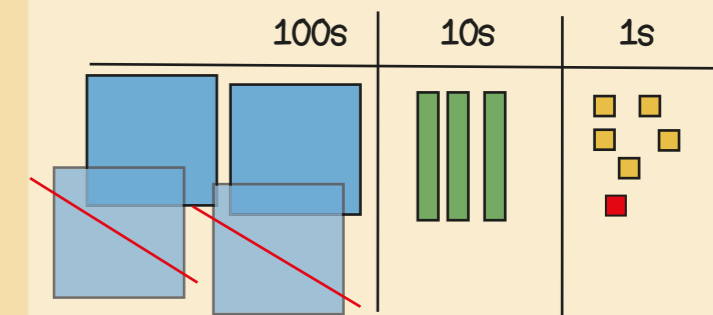


Add 200 then **subtract 1**



Stop and Look!  
What do you notice?  
What's the most efficient way?

### 435 - 199 Round then adjust



Take away 200 then **add 1**

