



Year:

2

Unit:

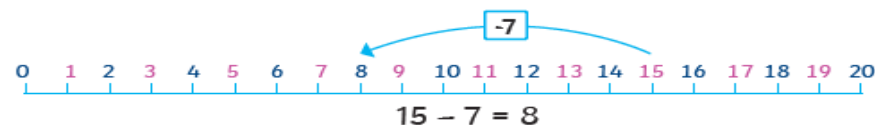
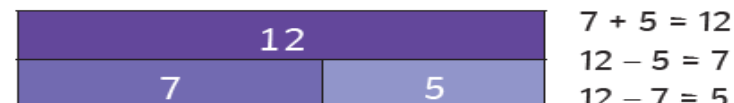
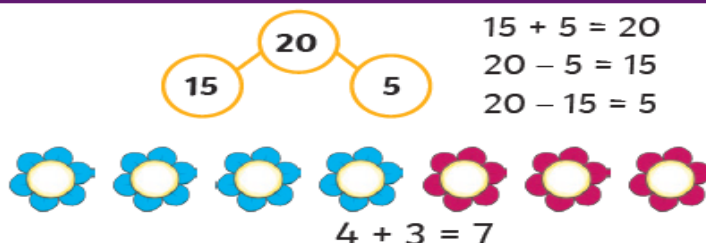
Addition and Subtraction

What will I learn this year?

## Key Vocabulary

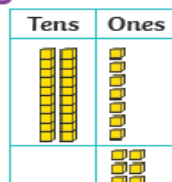
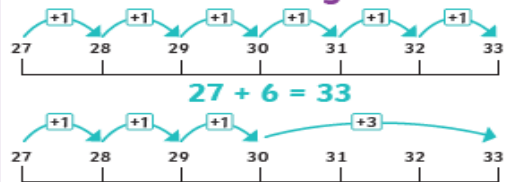
|                    |
|--------------------|
| Add                |
| Total              |
| Make               |
| Plus               |
| Sum                |
| More               |
| Altogether         |
| Difference         |
| Leave              |
| Subtract           |
| Difference between |
| Less               |
| Minus              |
| Take away          |
| Mentally, Orally   |
| Column Addition    |
| Column Subtraction |
| Estimate           |
| Inverse operation  |
| Solve problems     |
| Number facts       |
| Place Value        |

## Addition and Subtraction Bonds to 20

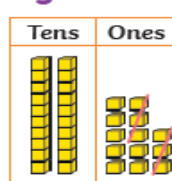
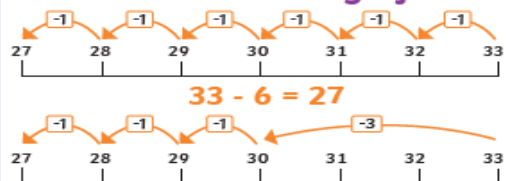


## Methods

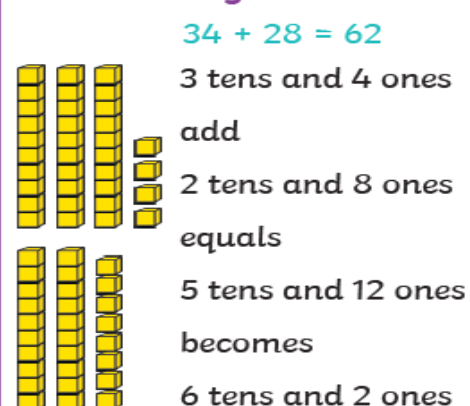
### Add 2-digit and 1-digit



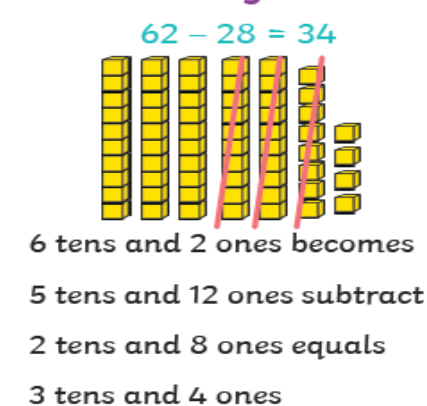
### Subtract 1-digit from 2-digit



### Add 2-digit numbers



### Subtract 2-digit numbers



## Addition and Subtraction Bonds to 100

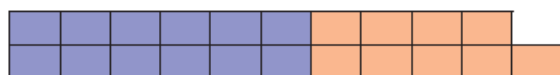
$2 + 8 = 10$   
 so  $20 + 80 = 100$



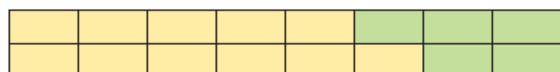
$32 + 68 = 100$   
 3 tens and 2 ones + 6 tens and 8 ones  
 = 9 tens and 10 ones = 10 tens = one hundred

## Mental Methods

### Compare Number Sentences



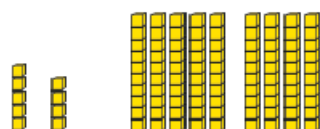
$$6 + 4 < 6 + 5$$



$$5 + 3 = 6 + 2$$

### Related facts

$$5 + 4 = 9 \text{ so } 50 + 40 = 90$$



### Add 3 1-digit numbers



$$9 + 5 + 3 = 17$$

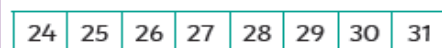
## More or Less/ Add and Subtract 1s and 10s

### Add and subtract 1s

$$24 + 1 = 25$$

$$24 + 2 = 26$$

$$24 + 3 = 27$$



$$37 - 1 = 36$$

$$37 - 2 = 35$$

$$37 - 3 = 34$$



There are 7 flowers in a vase. One more is added.

Now there are 8 flowers.



### 10 More or Less

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 30 | 40 | 50 | 60 | 70 | 80 |
|----|----|----|----|----|----|

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 47 | 57 | 67 | 77 | 87 | 97 |
|----|----|----|----|----|----|

The ones digit stays the same.

| 10 less | Number | 10 more |
|---------|--------|---------|
|         |        |         |
| 1       | 11     | 21      |
|         |        |         |
| 34      | 44     | 54      |

Take care when crossing hundreds:

|    |    |     |     |
|----|----|-----|-----|
| 86 | 96 | 106 | 116 |
|----|----|-----|-----|

### Add and Subtract 10s

|    |    |    |    |    |
|----|----|----|----|----|
| 10 | 30 | 50 | 70 | 90 |
|----|----|----|----|----|

|   |    |    |    |
|---|----|----|----|
| 3 | 33 | 63 | 93 |
|---|----|----|----|

| Tens | Ones |
|------|------|
|      |      |
|      |      |
|      |      |
|      |      |

$$27$$

$$+ 40$$

$$67$$

| Tens | Ones |
|------|------|
|      |      |
|      |      |
|      |      |
|      |      |

$$72$$

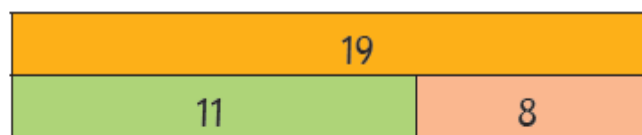
$$- 30$$

$$42$$

Crossing hundreds:

|    |    |     |     |
|----|----|-----|-----|
| 74 | 94 | 114 | 134 |
|----|----|-----|-----|

## Check Calculations



$$19 - 8 = 11 \text{ can be checked using } 8 + 11 = 19$$

$32 + 5 = 82$  x Spot that 5 tens have been added not 5 ones

$28 - 26 = 12$  x Spot that 28 and 26 are very close together, so difference won't be 12.

$37 - 4 = 41$  x Spot that if subtracting 4 the answer will be smaller.

$68 - 40 = 64$  x Spot that 4 ones have been subtracted and not 4 tens.

