Mental Addition Strategies

**Count on** - \(23 + 6 = 29\)
- start at 23 and count in ones up by 6

**Bridging ten** - \(17 + 5 = 22\)
- do \(17 + 3 = 20\) then \(20 + 2 = 22\)

**Doubles** - \(8 + 8 = 16\)

**Near doubles** - \(8 + 7 = 15\)
- do \(8 + 8\) first then take one away

**Adding 10** - \(56 + 10 = 66\)
- change the tens column
- units stay the same

**Adding 9** - \(56 + 9 = 65\)
- do \(56 + 10 = 66\)
- then take one away

**Adding 11** - \(56 + 11 = 67\)
- do \(56 + 10 = 66\)
- then add one more!

**Friends of ten** - \(7 + 3 = 10\)  \(6 + 4 = 10\)
\(70 + 30 = 100\)  \(60 + 40 = 100\)
Mental Subtraction Strategies

Fact families - we know $6 + 4 = 10$
  So $10 - 6 = 4$ or $10 - 4 = 6$

Counting back - $23 - 5 = 18$
  - start at 23 and count back 5 in ones so 23, 22, 21...

Counting down - $23 - 18 = 5$
  - start at 23 and count down to the number 18, you will count 5 numbers

Counting up - $23 - 18 = 5$
  - start at 18 and count up to 23, you will count 5 numbers

Halving - half of ten = 5
  - half of 32 = 16
  - half 30 = 15 then half 2 = 1
  So add 15 and 1 = 16