

Wk Progression Focus

21 Place value

Week 21 focuses on securing a robust understanding of place value, including adding and subtracting 2-digit numbers by counting on/back in 10s and 1s.

22 Addition and subtraction

Weeks 22 and 23 focus on using number facts to solve additions and subtractions, including adding several numbers and counting up using complements to the next multiple of 10 to find a difference.

Weekly Summary

Locate, order and compare 2-digit numbers on 0-100 landmarked lines and on the 1-100 square; use < and > signs; locate numbers on an empty 0-100 line; introduce numbers 101 to 200 and count in 100s to 1000; add 2-digit numbers by counting on in 10s and 1s; subtract 2-digit numbers by counting back in 10s and 1s

Use doubles and number bonds to add three 1-digit numbers; use number facts to 10 and 20 in number stories; find complements to multiples of 10; understand subtraction as difference and find this by counting up; find small differences either side of a multiple of 10

Strands

NPV Number and place value; **MAS** Mental addition and subtraction

MAS Mental addition and subtraction; **PRA** Problem solving, reasoning and algebra

Objectives

- **NPV.19** Understand place value in 2-digit numbers by creating 2-digit numbers, placing them on a number line and solving place value additions and subtractions
- **NPV.20** Order and compare 2-digit numbers and say a number between. Use language: equal to, more than, less/fewer than, most, least
- **NPV.29** Count in 1s beyond 100
- **NPV.30** Recognise and read numbers above 100
- **MAS.28** Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back
- **MAS.18** Add several 1-digit numbers
- **MAS.15** Use number facts to 10 to solve problems including word problems
- **MAS.19** Recall number facts to 20; number pairs (4 to 20) and bonds to 10 and 20
- **MAS.29** Add 1-digit to 2-digit numbers to reach the next multiple of 10
- **MAS.33** Subtract 2-digit from 2-digit numbers by counting up
- **MAS.27** Find change from 20p and 50p by counting up
- **PRA.34** Use inverse relationship between addition

23 **Addition and subtraction**

Weeks 22 and 23 focus on using number facts to solve additions and subtractions, including adding several numbers and counting up using complements to the next multiple of 10 to find a difference.

Add and subtract 1-digit numbers to and from 2-digit numbers; subtract 2-digit numbers by counting back in tens and ones; add two 2-digit numbers by counting in 10s, then adding 1s; add 2-digit numbers using 10p and 1p coins (partitioning, answers less than 100); add 2-digit numbers using place-value cards (partitioning, answers more than 100)

MAS Mental addition and subtraction

- and subtraction to solve missing number problems
- **PRA.28** Use place value and number facts to solve problems
- **MAS.23** Add 1-digit to 2-digit numbers, bridging 10 and using known facts
- **MAS.24** Subtract 1-digit from 2-digit numbers, bridging 10 and using known facts
- **MAS.28** Add/subtract 2-digit numbers to/from 2-digit numbers by counting on/back
- **MAS.30** Add pairs of 2-digit numbers using partitioning (totals < 100)
- **MAS.31** Add pairs of 2-digit numbers with a total \leq 198

24 **Measures; statistics and data**

Week 24 focuses on using non-standard and standard units to measure and compare weights and capacities; and on using this context to revise the use of block graphs.

Measure weight using standard or uniform non-standard units; draw a block graph where one square represents two units; weigh items using 100g weights using scales marked in multiples of 1kg or 100g; measure capacity using uniform non-standard units; measure capacity in litres and in multiples of 100ml

MEA Measurement;
STA Statistics

- **MEA.11** Compare and measure weights using non-standard uniform units
- **MEA.30** Choose and use appropriate standard units to measure weights (mass)
- **MEA.32** Solve simple problems by comparing and ordering lengths, weights (masses), capacities and record the results using <, >, and =
- **MEA.37** Read relevant scales to the nearest numbered unit
- **MEA.18** Compare and measure the capacities of containers using uniform non-standard units
- **MEA.31** Choose and use appropriate standard units to measure capacities
- **STA.35** Interpret and complete block graphs where



25 **Multiplication, division and fractions**
Week 25 focuses on doubling and halving as inverse operations, and relates division to fractions, including finding halves, quarters and thirds of amounts.

Double multiples of 10 and 5 (answers less than 100); double 2-digit numbers ending in 1, 2, 3 or 4 (answers less than 100); find a quarter of numbers up to 40 by halving twice; begin to find $\frac{3}{4}$ of numbers; find $\frac{1}{2}$ $\frac{1}{4}$ and $\frac{1}{3}$ of amounts (sharing); spot patterns and make predictions when finding a third of numbers

MMD Mental multiplication and division; **FRP** Fractions, ratio and proportion

1 block represents 2 items

- **MMD.32** Double multiples of 5 and 10 to 50 and find related halves
- **MMD.36** Double and halve numbers to 100, including partitioning 2-digit numbers
- **MMD.28** Begin to relate division to fractions using sharing
- **FRP.13** Understand that a fraction is an equal part of a whole; $\frac{1}{2}$ s and $\frac{1}{4}$ s of lengths and numbers
- **FRP.18** Find $\frac{1}{2}$ and $\frac{1}{4}$ of multiples of 2 and 4 up to 20
- **FRP.25** Use fraction strips to find fractions of amounts
- **FRP.26** Find unit fractions of small numbers