

Y2 Learning Sequence

Numbers to 100

Learning Steps

Prior learning check & remediation/deepening of prior

- one ten is equivalent to ten ones
- Represent multiples of ten using their numerals
- Represent multiples of ten using their numerals and names
- Represent multiples of 10 on a numberline
- Represent multiples of ten in an expression or an equation
- Add and subtract 10 to/from a multiple of 10
- Add and subtract 10 to/from multiples of 10
- Count through 100
- Tens and ones to 100
- Partition numbers to 100
- Write numbers to 100 in words
- Flexibly partition numbers to 100
- Expanded number form to 100

PS Lesson: tens and ones (real-life word)

- Tens and ones on a numberline
- Estimate numbers on a numberline
- Compare numbers to 100
- Order numbers to 100
- Add & subtract 1 from 2-digit numbers
- Add & subtract 10 from 2-digit numbers

PS Lesson: compare and order (real-life word)

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: trial & improvement

Y2 Learning Sequence

Addition & Subtraction

Learning Steps

Prior learning check & remediation/deepening of prior

Adding through 10 (adding with 9)

Adding through 10 (adding with 8)

Adding through 10 (adding with 7)

Adding through 10 (adding with 6)

Adding through 10 (abstract)

Adding three addends

Adding three addends effectively

Subtract through 10 by splitting the subtrahend pictorially

Subtract through 10 by splitting the subtrahend abstractly

Subtract through 10 by splitting the minuend pictorially

Subtract through 10 by splitting the minuend abstractly

Mixed adding & subtracting through 10 practice

PS Lesson: bridging 10 (more than one possibility)

Difference subtraction structure across 10

Calculate how much more across 10

Fact families within 20

Bonds to 100

PS Lesson: calculations within 20

Adding and subtracting ones (not bridging 10)

Adding through 10 (other tens)

Addition and subtraction using tables

Addition and subtraction using block charts

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: working collaboratively

Y2 Learning Sequence

Multiplication

Learning Steps

Prior learning check & remediation/deepening of prior

- Equal v unequal groups
- Represent equal groups as repeated addition
- Represent equal groups as repeated addition and multiplication
- Represent equal groups as multiplication
- Identify the parts of multiplication equations
 - x2 counting and repeated addition
 - x2 using adjacent facts
 - x2 commutative property
 - x10 counting and repeated addition
 - x10 using adjacent facts
 - x10 commutative property
 - x5 counting and repeated addition
 - Relationship between x10 and x5
 - x5 using adjacent facts
 - x5 commutative property
 - Factors of zero
 - Factors of 1
 - Factors of 2 and doubling
 - Double 2-digit numbers
- Practice Lesson: calculate products
- PS lesson:** multiplication (real-life word)
- Interpret pictograms 1-2-1
- Interpret pictograms, 2, 10, 5
- Interpret pictograms $\frac{1}{2}$ s

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: working systematically

Y2 Learning Sequence

Division

Learning Steps

Prior learning check & remediation/deepening of prior

- Division by grouping - concrete
- Division by grouping - pictorial
- Division by grouping – number line
- Link grouping division stories to division equations
- Grouping division – varied practice & Think
- Division by sharing - concrete
- Division by sharing - pictorial
- Sharing division – varied practice & Think
- Structures of division
- x2 division facts
- Division by 2 as halving
- x10 division facts
- x5 division facts
- Division by 4 as quartering
- Find three-quarters
- Dividends of zero
- When dividends and divisors are equal
- Divisors of 1

PS lesson: division (more than 1 possibility)

Assessment

Pause & Stretch: re-assessment & deepening as required

Y2 Learning Sequence

Addition & Subtraction of 2-Digit Numbers

Learning Steps

Prior learning check & remediation/deepening of prior

Add a 2-digit number to a 2-digit number practically (not bridging 10)

Add a 2-digit number to a 2-digit number pictorially (not bridging 10)

Add a 2-digit number to a 2-digit number abstract (not bridging 10)

Add a 2-digit number to a 2-digit number abstract (not bridging 10)

PS Lesson: adding two 2-digit numbers (all possibilities)

Subtract a 2-digit number from a 2-digit number practically (not bridging 10)

Subtract a 2-digit number from a 2-digit number pictorially (not bridging 10)

Subtract a 2-digit number from a 2-digit number abstract (not bridging 10)

Subtract a 2-digit number from a 2-digit number abstract (not bridging 10))

PS Lesson: subtracting two 2-digit numbers (all possibilities)

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: finding starting points

Y2 Learning Sequence

Geometric Reasoning

Learning Steps

Prior learning check & remediation/deepening of prior

Pentagons, hexagons, heptagons, octagons, nonagons & decagons

Describe the vertices of 2D shapes

Form 3d shapes from 2d

Discuss, and compare by direct comparison, the shape and size of 3-dimensional shapes

Prisms

Pyramids

Language of position

Language of movement

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: visualising

Y2 Learning Sequence

Money

Learning Steps

Prior learning check & remediation/deepening of prior

Recognise and understand the value of different coins

Recognise the value of 20 p, 50 p and £1 coins

Explore combinations of coins that total the same amount

Find the most efficient way to make a given value

Finding the change

PS Lesson: money problems (open-ended)

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: conjecture & generalising

Y2 Learning Sequence

A Sense of Measure

Learning Steps

Prior learning check & remediation/deepening of prior

Length & centimetres
Length & metres
Practical Lesson: measure length
Mass, grams and kilograms
Practical Lesson: measure mass
What is capacity?
Volume: millilitres and litres
Practical Lesson: measure volume
Temperature and reading scales
Practical Lesson: measure temperature
Minutes in an hour
Comparing intervals of time

Assessment

Pause & Stretch: re-assessment & deepening as required