

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 multiples of 10 from other multiples of 10
- Count through 100
- Tens and ones to 100
- Partition numbers to 100
- Write numbers to 100 in words
- Expanded form to 100
- Flexibly partition numbers 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

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

- Add & subtract one to 2-digit numbers
- Add & subtract ten to 2-digit numbers

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

- Add three addends
- Add three addends efficiently
- Add through 10 practically and pictorially
- Add through 10 abstractly
- Subtract through 10 by splitting the subtrahend practically and pictorially
- Subtract through 10 by splitting the subtrahend abstractly
- Subtract through 10 by splitting the minuend practically and 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
- How many more or less across 10 (difference subtraction structure)
- Fact families
- Bonds to 100

PS Lesson: calculations within 20

- Add ones to and subtract ones from a 2-digit number (not boundary crossing)
- Add ones to a 2-digit number (boundary crossing)
- Subtract ones from a 2-digit number (boundary crossing)
- Addition and subtraction using tables
- Addition and subtraction using block diagrams

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

Geometric Reasoning

Learning Steps

Prior learning check & remediation/deepening of prior

Pentagons, hexagons, heptagons, octagons, nonagons & decagons – sort by number of vertices

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: finding starting points

Y2 Learning Sequence

Addition & Subtraction of 2-Digit Numbers

Learning Steps

Prior learning check & remediation/deepening of prior

Add two 2-digit numbers not crossing the tens boundary practically

Add two 2-digit numbers not crossing the tens boundary

Add two 2-digit numbers not crossing the tens boundary – VF, Think GDS

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

Subtract two 2-digit numbers not crossing the tens boundary practically

Subtract two 2-digit numbers not crossing the tens boundary

Subtract two 2-digit numbers not crossing the tens boundary – VF, Think GDS

PS Lesson: subtracting two 2-digit numbers (missing number equations)

Mixed addition & subtraction

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

Time

Learning Steps

Prior learning check & remediation/deepening of prior

Match analogue o'clock times to digital displays

Read analogue o'clock times as digital time

Match analogue 5 minute times to digital displays

Read analogue 5 minute times as digital time

Assessment

Pause & Stretch: re-assessment & deepening as required

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 units of time

Assessment

Pause & Stretch: re-assessment & deepening as required