

Mathematics Planning Framework

Additive Reasoning Multiplicative Reasoning Geometric Reasoning



YEAR 1 · count to and across 100, forwards and backwards, beginning · recognise and use language relating to dates, including days with 0 or 1 of the week, weeks, months and years · count, read and write numbers to 100 in numerals · given a number, identify one more and one less · identify and represent numbers using objects and pictorial representations including the number line, and use the language Sequence of: equal to, more than, less than (fewer), most, least · compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] > mass or weight [for example, heavy/light, heavier than, lighter capacity/volume [for example, full/empty, more than, less than, half, half full, quarter] · given a number, identify one more and one less · represent and use number bonds and related subtraction facts within 20 · solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = -9Sequence · sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] recognise and use language relating to dates, including days of the week, weeks, months and years · recognise and name common 2-D and 3-D shapes, including: > 2-D shapes [for example, rectangles (including squares), circles and triangles] Sequence > 3-D shapes [for example, cuboids (including cubes), pyramids and spheres] · describe position, direction and movement • compare, describe and solve practical problems for: count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] · count, read and write numbers to 100 in numerals > mass or weight [for example, heavy/light, heavier than, · given a number, identify one more and one less Sequence lighter than1 identify and represent numbers using objects and pictorial > capacity/volume [for example, full/empty, more than, less than, representations including the number line, and use the language of: half, half full, quarter] equal to, more than, less than (fewer), most, least > time [for example, quicker, slower, earlier, later] · recognise and use language relating to dates, including days of the week, weeks, months and years · count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number · given a number, identify one more and one less Sequence · represent and use number bonds and related subtraction facts within 20 · solve one-step problems that involve addition and subtraction. using concrete objects and pictorial representations, and missing number problems such as 7 = -9 count to and across 100, forwards and backwards, beginning identify and represent numbers using objects and pictorial with 0 or 1, or from any given number equal to, more than, less than (fewer), most, least · count, read and write numbers to 100 in numerals; count in

Sequence

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- multiples of twos and tens
- · given a number, identify one more and one less
- representations including the number line, and use the language of:
- recognise and know the value of different denominations of coins and notes



Mathematics Planning Framework

Number Sense Additive Reasoning Multiplicative Reasoning Geometric Reasoning



Sequence

- count, read and write numbers to 100 in numerals, count in multiples of twos and tens
- · solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher
- · recognise and know the value of different denominations of coins and notes

Sequence

- · count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers to 100 in numerals; count in multiples of twos and tens
- given a number, identify one more and one less
- identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- measure and begin to record the following:
 - > lengths and heights
 - > mass/weight
 - > capacity and volume
- recognise and know the value of different denominations of coins and notes

Sequence

- count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- given a number, identify one more and one less
- read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- · represent and use number bonds and related subtraction facts within 20
- add and subtract one-digit and two-digit numbers to 20 including
- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7=-9
- · sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]
- recognise and use language relating to dates, including days of the week, weeks, months and years

Sequence

- · recognise and name common 2-D and 3-D shapes, including:
 - > 2-D shapes [for example, rectangles (including squares), circles and triangles]
 - > 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]
- describe position, direction and movement
- · count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers to 100 in numerals, count in multiples of twos, fives and tens
- given a number, identify one more and one less
- identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- read and write numbers from 1 to 20 in numerals and words
- · measure and begin to record the following:
 - > lengths and heights
 - > mass/weight
 - > capacity and volume
 - > time (hours, minutes, seconds)
- · recognise and know the value of different denominations of coins and notes
- sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]

Sequence

- · count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- · given a number, identify one more and one less
- · read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- represent and use number bonds and related subtraction facts within 20
- add and subtract one-digit and two-digit numbers to 20, including
- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = -9

Sequence





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Sequence

- count, read and write numbers to 100 in numerals, count in multiples of twos, fives and tens
- solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher
- recognise, find and name a half as one of two equal parts of an object, shape or quantity
- · recognise, find and name a quarter as one of four equal parts of an object, shape or quantity
- · recognise and know the value of different denominations of coins and notes
- tell the time to the hour and half past the hour and draw the hands on a clock face to show these times

Sequence

- recognise, find and name a half as one of two equal parts of an object, shape or quantity
- recognise, find and name a quarter as one of four equal parts of an object, shape or quantity
- recognise and name common 2-D and 3-D shapes, including:
 - > 2-D shapes [for example, rectangles (including squares), circles and triangles]
 - > 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]
- describe position, direction and movement, including whole, half, quarter and three-quarter turns