



Scope and Sequence Learning Objectives

Number Sense



Number Sense

Lesson 1: Quantities 1 - 5

1	Quantities, Shapes and Numbers 1 - 5
2	Number names and the counting sequence
3	Decomposition and comparison of 5
4	Analyse, compare, create and compose shapes
5	Identify and describe shapes
6	Count to identify the number of objects

Lesson 2: Addition and Subtraction to 5

1	Understand addition as putting together and adding to
2	Understand subtraction as taking apart and taking from
3	Subtraction facts to 5
4	Addition facts to 5
5	Linear comparison of numbers using $>$ $=$ $<$
6	Compare the inequality of numbers 1 - 5
7	Relative height comparison to 5
8	Relative weight comparison to 5
9	Solve addition word problems to 5
10	Solve subtraction word problems to 5
11	Classify objects and count the number of objects in each category
12	Recognise the symbols for plus, minus and equals
13	Fact composition and expression

Lesson 3: Numbers 6 - 10

1	Shape formations relating to 6 - 10 icons
2	Identify whether the number of objects in one group is greater than, less than, or equal to
3	Compare the inequality of numbers to 6
4	Compare the inequality of numbers to 7
5	Compare the inequality of numbers to 8
6	Count to identify the number of objects
7	Compare the inequality of numbers to 10
8	Odd and even numbers
9	Decomposition and comparison of 10
10	Recognise name and write numerals 0 - 10



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Addition, Subtraction

Lesson 4: Composing 6

1	Addition Facts of 6
2	Subtraction Facts of
3	Relative height comparison to 6
4	Relative weight comparison to 6
5	Solve addition word problems to 6
6	Solve subtraction word problems to 6

Lesson 5: Composing 7

1	Addition facts of 7
2	Subtraction Facts of 7
3	Relative height comparison to 7
4	Relative weight comparison to 7
5	Solve addition word problems to 7
6	Solve subtraction word problems to 7

Lesson 6: Composing 8

1	Addition facts of 8
2	Subtraction Facts of 8
3	Relative height comparison to 8
4	Relative weight comparison to 8
5	Solve addition word problems to 8
6	Solve subtraction word problems to 8

Lesson 7: Composing 9

1	Addition Facts of 9
2	Subtraction Facts of 9
3	Relative height comparison to 9
4	Relative weight comparison to 9
5	Solve addition word problems to 9
6	Solve subtraction word problems to 9

Lesson 8: Composing 10

1	Addition facts of 10
2	Subtraction Facts of 10
3	Relative height comparison to 10
4	Relative weight comparison to 10
5	Solve addition word problems to 10
6	Solve subtraction word problems to 10

Lesson 9: Decades to 100 and Quantities Through the Hundreds Place

1	Place value (2-digit numbers)
2	Compare relative value of 2-digit numbers
3	Relative weight comparison decades to 100
4	Rounding to the nearest 10 decades to 100
5	Place value (3-digit numbers)
6	Compare relative value of 3-digit numbers

Lesson 10: Sums and Differences Within 20 with Regrouping

1	Work with numbers 11-19 to gain foundations for place value
2	Balancing Sums to 20
3	Subtract 5 within 20
4	Add 5 within 20
5	Add 5 within 20
6	Subtract 9 within 20
7	Add 9 within 20
8	Subtract 8 within 20
9	Add 8 within 20
10	Subtract 7 within 20
11	Add 7 within 20
12	Subtract 6 within 20
13	Add 6 within 20
14	Subtract 4 within 20
15	Add 4 within 20
16	Subtract 3 within 20
17	Add 3 within 20
18	Subtract 2 within 20
19	Add 2 within 20
20	Subtract 1 within 20
21	Add 1 within 20
22	Addition word Problems within 20
23	Subtraction word Problems within 20

Lesson 11: Multi-Digit Addition and Subtraction

1	Multi-digit decomposition and comparison
2	Compare to create equality within 3-digit numbers
3	Multi-digit addition
4	Multi-digit subtraction



Division Island

Lesson 12: $\div 2x$

1	Whole-to-Part $2x$ Multiplication
2	Divisibility rule of 2
3	Identify multiples of 2
4	$2x$ multiplication facts accuracy
5	$\div 2$ division facts accuracy
6	$2x$ multiplication facts fluency
7	$\div 2$ division facts fluency
8	$\div 2x$ word problems
9	Determine area from a length and width description
10	$\div 2x$ word problems relating to area

Lesson 15: $\div 1x$ $0x$

1	Divisibility rule of 1
2	$\div 1$ division facts accuracy
3	$1x$ multiplication facts accuracy
4	Divisibility rule of 0
5	$\div 0x$ facts accuracy

Lesson 16: 3-Digit multiplication $2x$, $5x$, $10x$

1	Multiply 2 by Magnitudes of 10
2	Multiply 5 by Magnitudes of 10
3	Multiply 10 by Magnitudes of 10

Lesson 19: $\div 6x$

1	Divisibility rule of 6
2	Identify multiples of 6
3	$6x$ multiplication facts accuracy
4	$\div 6$ division facts accuracy
5	$6x$ multiplication facts fluency
6	$\div 6$ division facts fluency
7	Multiply 6 by Magnitudes of 10
8	$\div 6x$ word problems
9	$\div 6x$ word problems relating to area

Lesson 13: $\div 5x$

1	Divisibility rule of 5
2	Identify multiples of 5
3	$5x$ multiplication facts accuracy
4	$\div 5$ division facts accuracy
5	$5x$ facts linked to clock face
6	$5x$ multiplication facts fluency
7	$\div 5$ division facts fluency
8	$\div 5x$ word problems
9	$\div 5x$ word problems relating to area

Lesson 17: $\div 9x$

1	Divisibility rule of 9
2	Identify multiples of 9
3	$9x$ multiplication facts accuracy
4	$\div 9$ division facts accuracy
5	$9x$ multiplication facts fluency
6	$\div 9$ division facts fluency
7	Multiply 9 by Magnitudes of 10
8	$\div 9x$ word problems
9	$\div 9x$ word problems relating to area

Lesson 20: Perfect Squares

1	Perfect squares multiplication facts
2	Perfect squares division facts

Lesson 21: $\div 4x$

1	Divisibility rule of 4
2	Identify multiples of 4
3	$4x$ multiplication facts accuracy
4	$\div 4$ division facts accuracy
5	$4x$ multiplication facts fluency
6	$\div 4$ division facts fluency
7	Multiply 4 by Magnitudes of 10
8	$\div 4x$ word problems
9	$\div 4x$ word problems relating to area

Lesson 14: $\div 10x$

1	Divisibility rule of 10
2	Identify multiples of 10
3	$10x$ multiplication facts accuracy
4	$\div 10$ division facts accuracy
5	$10x$ multiplication facts fluency
6	$\div 10$ division facts fluency
7	$\div 10x$ word problems
8	$\div 10x$ word problems relating to area

Lesson 18: $\div 3x$

1	Divisibility rule of 3
2	Identify multiples of 3
3	$3x$ multiplication facts accuracy
4	$\div 3$ division facts accuracy
5	$3x$ multiplication facts fluency
6	$\div 3$ division facts fluency
7	Multiply 3 by Magnitudes of 10
8	$\div 3x$ word problems
9	$\div 3x$ word problems relating to area

Lesson 22: $\div 8x$ $\div 7x$

1	Divisibility rule of 7 and 8
2	$8x$ multiplication facts accuracy
3	$\div 8$ division facts accuracy
4	$7x$ multiplication facts fluency
5	Multiply 7 by Magnitudes of 10