Stage 1

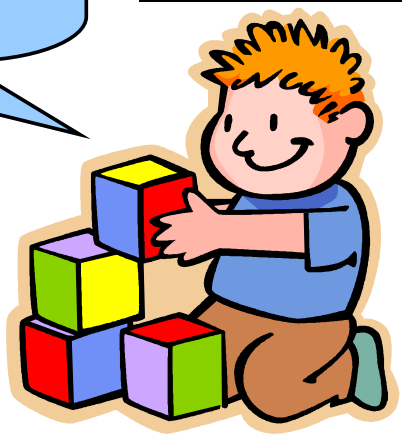
1—1 Counting

I can read numbers to 10

I can count forwards to 10
1, 2, 3, 4, 5...

I can count a set of objects up to 10.

I can say the number after
1, 2, ___



I know patterns to 5

I can count backwards from 10
10, 9, 8, 7, 6...

I can say the number before
___ 7, 8, 9

I can order numbers to 10

Reference: Ministry of Education (2008). The Number Framework—Book 1.
Created by Julie Roberts, 2011.

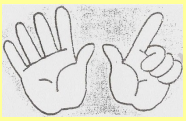
Stage 2

Counting All on Materials

I can count forwards to 20
8, 9, 10, 11, 12...

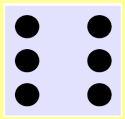
I can say the number after
11, 12, ___

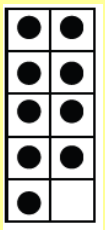
I can solve problems by counting all the objects.

I know 5 and patterns 

I can read numbers to 20

I know patterns to 10





I can count backwards from 20
20, 19, 18, 17, 16...

I can say the number before
___ 17, 18, 19

I can order numbers to 20

Reference: Ministry of Education (2008). The Number Framework—Book 1.
Created by Julie Roberts, 2011.

Stage 3

Counting All by Imaging

I can count forwards to 20
8, 9, 10, 11, 12...

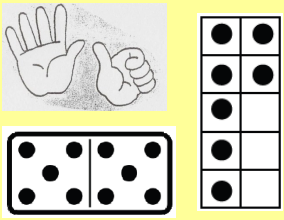
I can say the number after
11, 12, ___

I can solve problems by counting all the objects in my head.

I know groupings within 10

I can read numbers to 20

I know patterns to 10
(doubles and 5 and…)



I can order numbers to 20

I can say the number before
___ 17, 18, 19

I can count backwards from 20
20, 19, 18, 17, 16...

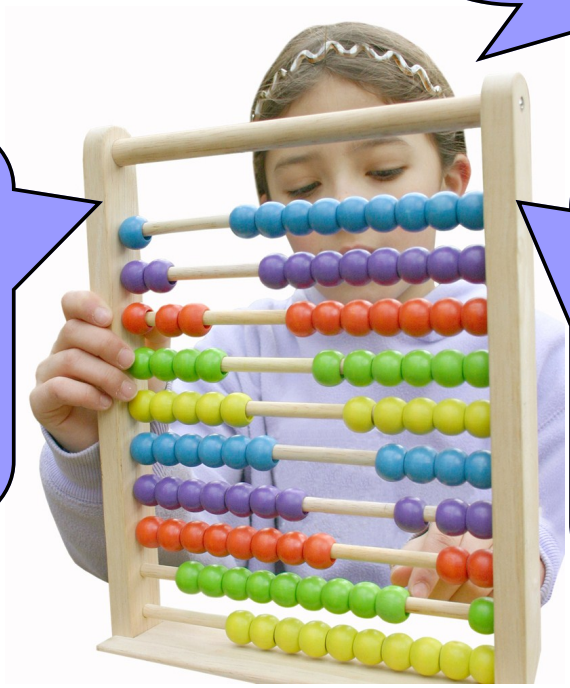
Reference: Ministry of Education (2008). The Number Framework—Book 1.
Created by Julie Roberts, 2011.

Level 1—Stage 4 Advanced Counting

Addition & Subtraction

I can solve subtraction problems by counting back from the largest number.

32—3 = ☐
32, 31, 30, 29.



I can solve addition problems by counting on from the largest number.

16 + 5 = ☐
16, 17, 18, 19, 20, 21

I can solve addition and subtraction problems by counting on or back in ones and tens

35 + 30 = ☐
35, 45, 55, 65

Reference: Ministry of Education (2008). The Number Framework—Book 1.
Created by Julie Roberts, 2011.

Level 2—Stage 5 Early Additive

Addition & Subtraction

I can solve addition and subtraction problems in my head using my basic facts:

- Doubles
  8 + 7 = 8 + 8 - 1
  26 + 27 = 26 + 26 + 1
- Making Tens
  8 + 7 = (8 + 2) + 5
  37 + 6 = (37 + 3) + 3
- Round and compensate
  36 + 9 = 36 + 10—1

I can solve 2 digit addition and subtraction problems in my head using:

- Tidy Numbers
  29 + ☐ = 52 as (29 + 1) + 22
- Place Value
  33 + 16 as 30 + 10 + 3 + 6
- Back through ten
  84—4—4 = 76

Reference: Ministry of Education (2008). The Number Framework—Book 1.
Created by Julie Roberts, 2011.

Level 3—Stage 6 Advanced Additive

Addition & Subtraction

I can solve multi digit addition and subtraction problems by choosing an appropriate mental strategy:

Possible strategies for 396 + 78

Tidy numbers
396 + 78 = 396 + 4 + 70 + 4

Place value partitioning
396 + 78 = 300 + 160 + 14

Equal additions
263—139 = 264—140

Possible strategies for 63—39 = ☐

Rounding and compensating
63—39 = 63—40 + 1 = 24

Reversibility
63—39 as 39 + ☐ = 63

Equal additions
63—39 as 64—40 = 24

Reference: Ministry of Education (2008). The Number Framework—Book 1.
Created by Julie Roberts, 2011.

Level 4—Stage 7 Advanced Multiplicative Addition & Subtraction

I can choose appropriate strategies to solve addition and subtraction problems involving decimals, integers and related fractions:

Using decimal place value
2.65m + 1.96m = ☐
0.05 + 1.96 = 2.01
so 2.6 + 2.01 = 4.61m

Partitioning fractions
3/4 + 5/8 = (3/4 + 2/8) + 3/8 = 1 3/8

Equivalent operations on Integers
7— ¯3 = 7 + 3 = 10

Using decimal place value
4.95L + 7.5L = ☐

Compensation
4.95 + 7.5 = 4.45 + 8 = 12.45L

Tidy Numbers
5 + 7.5 = 12.5 so 4.95 + 7.5 = 12.45L

Place Value
4 + 7 = 11 and 0.9 + 0.5 = 1.4
so 4.95 + 7.5 = 12.45L

Reference: Ministry of Education (2008). The Number Framework—Book 1.
Created by Julie Roberts, 2011.