The Wilkie Way

NZ Curriculum Mathematical Number Knowledge & Skills Screening Assessment Level 2 Odd Year

Student Name _____

Year Group _____

Area of Mathematics		
Whole Numbers	/30	
Addition & Subtraction	/26	Uses simple additive strategies Yes / No
Multiplication & Division	/24	
Fractions	/20	
Total	/100	

Comments:

What do you know about numbers?

1. Write the value of the underlined digit in each of these numbers in words?
For example: 3**6** six ones

a. **5**3 _____ b. **2**36 _____ c. **3**527 _____

d. **4**6 758 _____ e. 7**0**8 _____

2. Fully expand the following numbers. For example: 36 = 30 + 6

a. 72 _____ b. 264 _____

c. 583 _____ d. 4602 _____

3. Write the number 10 more than each number given.

a. 42 _____ b. 65 _____ c. 147 _____ d. 295 _____

4. Write the number 1 less than each number given.

a. 84 _____ b. 39 _____ c. 456 _____ d. 504 _____

5. How many whole groups of 10 in each of these numbers?

a. 35 _____ b. 84 _____ c. 165 _____ d. 723 _____

6. How many whole groups of 100 in each of these numbers?

a. 645 _____ b. 371 _____ c. 1582 _____

7. Round each number to the closest 10 (decade).

a. 38 _____ b. 73 _____ c. 45 _____ d. 127 _____

8. Round each number to the closest 100

a. 436 _____ b. 789 _____

Score: /30

What do you know about addition and subtraction?
Complete the following equations.

1a. 5 + 2 = _____ b. 8 + 8 = _____ c. 10 + 5 = _____

d. 10 - 4 = _____ e. 17 - 7 = _____ f. 12 - 6 = _____

2a. 6 + 8 = _____ b. 13 + 4 = _____ c. 9 + 8 = _____

d. 13 - 7 = _____ e. 18 - 5 = _____ f. 15 - 6 = _____

3a. 50 + 40 = _____ b. 70 + 60 = _____ c. [illegible] + 6 = _____

d. 80 - 30 = _____ e. 140 - 60 = _____ 78 - 5 = _____

Solve the following equations a[illegible] show ho[illegible]ou arrived at your answer.

4a. 57 + 8 = 63 + 9 =

5a. 84 - 7 = b. 94 - 9 =

6a. 46 + 29 = b. 25 + 28 =

7a. 78 - 19 = b. 93 - 45 =

Score: **/26** Uses simple additive strategies. (Not counting)

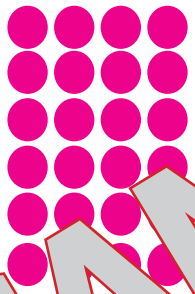
What do you know about multiplication and division?

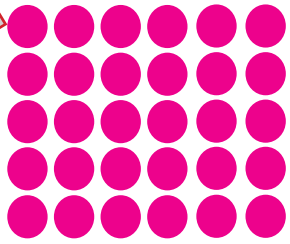
1. Draw a picture to show 14 counters shared into equal groups.

2a. Draw a picture to show: 3 + 3 + 3 + 3

2b. Write a multiplication equation for 3 + 3 + 3 + 3 _____

3.Write both multiplications shown by each array.

a.  _____ _____

 _____ _____

4. Draw a picture to show 15 ÷ 5

b. 15 ÷ 5 = _____

Complete these equations:

5a. 7 x 2 = _____ b. 8 x 5 _____ c. 10 x 6 = _____

6a. 16 ÷ 2 = _____ b. 20 ÷ 5 = _____ c. 70 ÷ 10 = _____

7a. 6 x 6 = _____ b. 4 x 8 = _____ c. 3 x 9 = _____

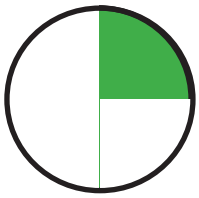
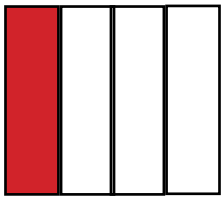
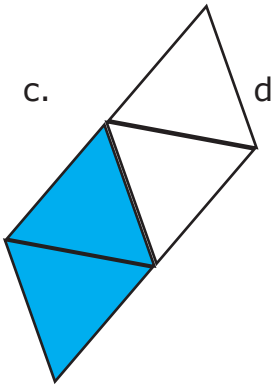
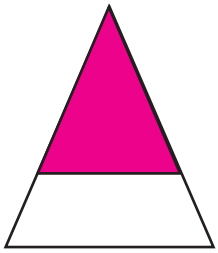
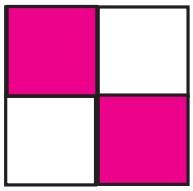
8a. 13 x 7 = _____ b. 16 x 4 = _____ c. 14 x 6 = _____

9a. 36 ÷ 4 = _____ b. 42 ÷ 7 = _____ c. 24 ÷ 3 = _____

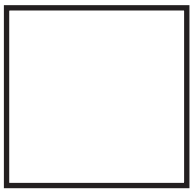
Score: /24

What do you know about fractions?

1. Put a √ on the shapes that have one half coloured. Put a X on the shapes that have one quarter coloured.

a.  b.  c.  d.  e. 

2. Colour or shade

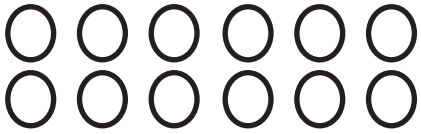
a. ¼ of the square 

b. $^{1}/_{3}$ of the circle 

c. Write the fraction of the square NOT coloure_____

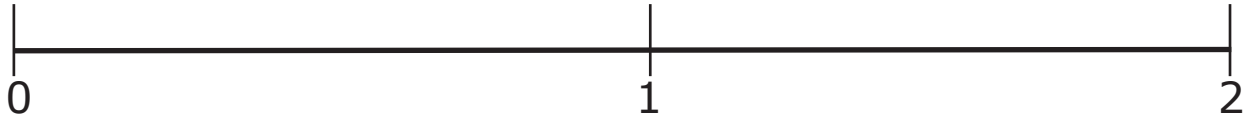
d. Write the fraction of the circle NOT coloured _____

3a. Colour ¼ of the counters 

b. Colour of the counters 

4. Write these fractions in their correct position on the number line.

$^{1}/_{2}$ $^{2}/_{2}$ $^{3}/_{2}$ $^{4}/_{2}$



5a. 5 shared between 2 is _____ 2 shared between 3 is _____

6a. $^{1}/_{3}$ of 15 is _____ b. $^{1}/_{5}$ of 30 is _____ c. $^{2}/_{7}$ of 28 is _____

d. $^{3}/_{5}$ of 20 is _____

Score: /20