The Wilkie Way

NZ Curriculum Mathematical Number Knowledge & Skills

Screening Assessment

Level 2

Even Year

Student Name _____

Year Group _____

Area of Mathematics		
Whole numbers	/30	
Addition & Subtraction	/26	
Multiplication & Division	/24	
Fractions	/20	
Total	/100	

Comments:

	Mid Level 1	**Upper Level 1**	**Early Level 2**	**Mid Level 2**	**Upper Level 2**	**Early Level 3**
Overall						
Whole numbers						
Add/Sub						
Mult/Div						
Fractions						

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Words to help you answer question 1

zero
one
two
three
four
five
six
seven
eight
nine
ten

hundred
thousand

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What do you know about numbers?

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

a. **<u>4</u>**8 _____ b. **<u>3</u>**57 _____ c. **<u>2</u>**438 _____

d. **<u>6</u>**3 582 _____ e. 5**<u>0</u>**7 _____

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

a. 54 _____ b. 374 _____

c. 247 _____ d. 3507 _____

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

a. 35 _____ b. 46 _____ c. 124 _____ d. 397 _____

4. Write the number 10 less than each number given.

a. 74 _____ b. 52 _____ c. 327 _____ d. 604 _____

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

a. 46 _____ b. 73 _____ c. 137 _____ d. 437 _____

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

a. 538 _____ b. 268 _____ c. 1348 _____

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

a. 37 _____ b. 82 _____ c. 65 _____ d. 143 _____

8. Round each number to the closest 100

a. 378 _____ b. 742 _____

Score: /30

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

1a. 3 + 5 = _____ b. 7 + 7 = _____ c. 10 + 8 = _____

d. 10 - 3 = _____ e. 15 - 5 = _____ f. 16 - 8 = _____

2a. 7 + 6 = _____ b. 12 + 7 = _____ c. 9 + 7 = _____

d. 15 - 8 = _____ e. 17 - 4 = _____ f. 14 - 6 = _____

3a. 40 + 20 = _____ b. 80 + 40 = _____ c. 38 + 6 = _____

d. 90 - 30 = _____ e. 120 - 50 = _____ f. 82 - 4 = _____

Solve the following equations (you can re write them vertically)

4a. 36 + 9 = b. 58 + 21 =

5a. 72 - 9 = b. 69 - 42 =

6a. 38 + 19 = b. 325 + 27 =

7a. 68 - 29 = b. 172 - 35 =

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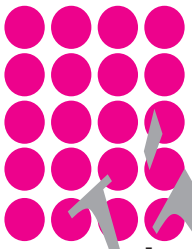
What do you know about multiplication and division?

1. Draw a picture to show 15 counters shared into equal groups.

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

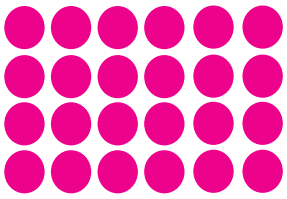
2b. Write a multiplication equation for 2 + 2 + 2 + 2. _____

3.Write both multiplications shown by each array.



a. _____

b. _____



c. _____

d. _____

4a. Draw a picture to show 12 ÷ 3

b. 12 ÷ 3 = _____

Complete these equations:

5a. 6 x 2 = _____ b. 7 x 5 _____ c. 10 x 3 = _____

6a. 14 ÷ 2 = _____ b. 45 ÷ 5 = _____ c. 80 ÷ 10 = _____

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

8a. 14 x 5 = _____ b. 18 x 3 = _____ c. 13 x 4 = _____

9a. 28 ÷ 4 = _____ b. 35 ÷ 7 = _____ c. 18 ÷ 3 = _____

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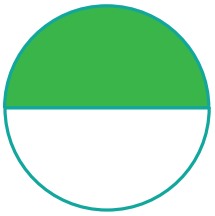
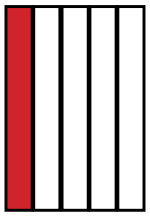
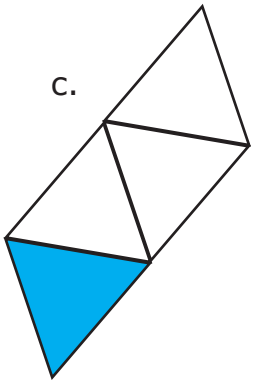
What do you know about fractions?

1. Put a H on the shapes that have one half coloured. Put a Q on the shapes that have one quarter coloured.

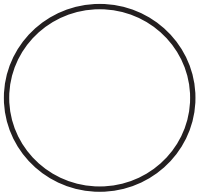
a. 

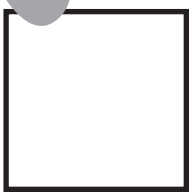
b. 

c. 

d.

2. Colour or shade

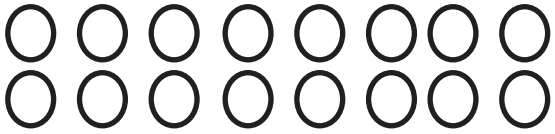
a. ¼ of the circle 

b. $^1/_6$ of the square 

c. Write the fraction of the circle NOT coloured. _____

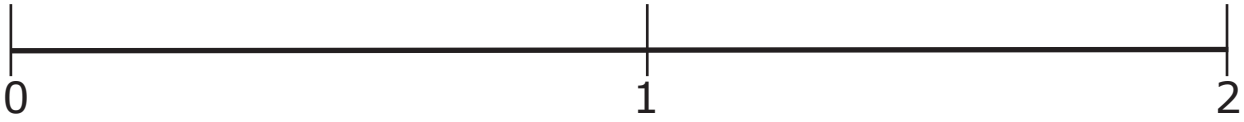
d. Write the fraction of the square NOT coloured _____

3a. Colour ¼ of the counters

b. Colour ⅛ of the counters 

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

a. $^1/_2$ b. $^2/_2$ c. $^3/_2$ d. $^4/_2$



5a. 3 shared between 2 is _____ b. 3 shared between 4 is _____

6a. $^1/_3$ of 12 is _____ b. $^1/_5$ of 20 is _____ c. $^2/_7$ of 21 is _____

d. $^3/_5$ of 30 is _____

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