



# The Wilkie Way

## NZ Curriculum Mathematical Number Knowledge & Skills Assessment Screen Two Odd Year

Student Name \_\_\_\_\_

Year Group \_\_\_\_\_

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

Comments:

	Beginning Year 3		End Year 3 Beginning Year 4		End Year 4	
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

## What do you know about numbers?

1. Write the **value** of the underlined digit in each of these numbers in words?

For example: 36 six ones

a. 53 \_\_\_\_\_ b. 236 \_\_\_\_\_ c. 3527 \_\_\_\_\_

d. 46 758 \_\_\_\_\_ e. 38 078 \_\_\_\_\_

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

a. 72 \_\_\_\_\_ c. 3583 \_\_\_\_\_

b. 264 \_\_\_\_\_ d. 14 002 \_\_\_\_\_

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

a. 42 \_\_\_\_\_ b. 165 \_\_\_\_\_ c. 295 \_\_\_\_\_ d. 6493 \_\_\_\_\_

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

a. 84 \_\_\_\_\_ b. 529 \_\_\_\_\_ c. 406 \_\_\_\_\_ d. 2504 \_\_\_\_\_

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

a. 35 \_\_\_\_\_ b. 184 \_\_\_\_\_ c. 765 \_\_\_\_\_ d. 4723 \_\_\_\_\_

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

a. 38 \_\_\_\_\_ b. 713 \_\_\_\_\_ c. 645 \_\_\_\_\_ d. 1267 \_\_\_\_\_

7. Round each number to the closest 100

a. 436 \_\_\_\_\_ b. 789 \_\_\_\_\_ c. 4632 \_\_\_\_\_ d. 3450 \_\_\_\_\_

8. Round each number to the closest 1000

a. 5643 \_\_\_\_\_ b. 7289 \_\_\_\_\_

<b>Score:</b> <b>/30</b>
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**What do you know about addition and subtraction?  
Complete the following equations.**

1a.  $5 + 2 = \underline{\quad}$

b.  $8 + 8 = \underline{\quad}$

c.  $10 + 5 = \underline{\quad}$

d.  $10 - 4 = \underline{\quad}$

e.  $17 - 7 = \underline{\quad}$

f.  $12 - 6 = \underline{\quad}$

2a.  $6 + 8 = \underline{\quad}$

b.  $13 + 4 = \underline{\quad}$

c.  $9 + 8 = \underline{\quad}$

d.  $13 - 7 = \underline{\quad}$

e.  $18 - 5 = \underline{\quad}$

f.  $15 - 7 = \underline{\quad}$

3a.  $50 + 40 = \underline{\quad}$

b.  $70 + 60 = \underline{\quad}$

c.  $45 + 9 = \underline{\quad}$

d.  $80 - 30 = \underline{\quad}$

e.  $140 - 60 = \underline{\quad}$

f.  $74 - 9 = \underline{\quad}$

**Solve the following equations (you can re-write the equations vertically)**

4a.  $63 + 24 =$

b.  $95 - 52 =$

5a.  $95 + 52 =$

b.  $84 - 37 =$

6a.  $426 + 38 =$

b.  $671 - 47 =$

7a.  $376 + 55 =$

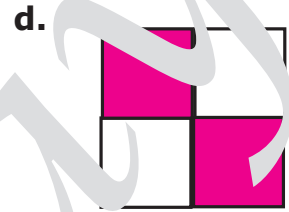
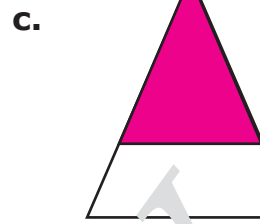
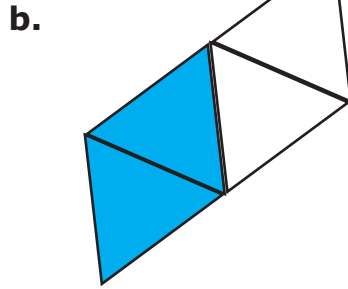
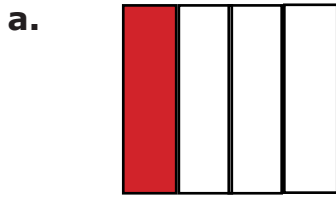
b.  $532 - 186 =$

**Score:            /26**



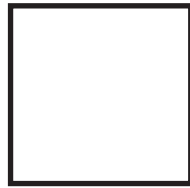
## What do you know about fractions?

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

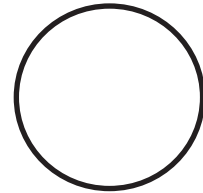


2. Colour or shade

a.  $\frac{1}{8}$  of the square



b.  $\frac{1}{3}$  of the circle



c. Write the fraction of the square NOT coloured. \_\_\_\_\_

d. Write the fraction of the circle NOT coloured. \_\_\_\_\_

3a. Colour  $\frac{1}{4}$  of the counters 

b. Colour  $\frac{1}{5}$  of the counters 

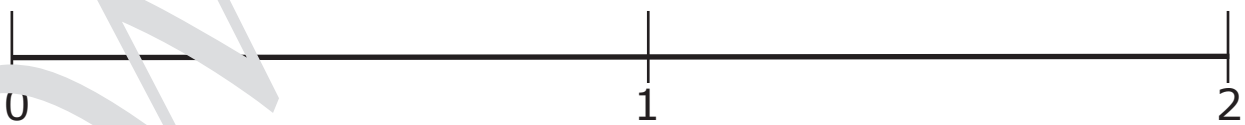
4. Write these fractions in their correct position on the number line.

a.  $\frac{1}{2}$

b.  $\frac{3}{4}$

c.  $1\frac{1}{2}$

d.  $\frac{8}{4}$



5a.  $\frac{1}{3}$  of 15 = \_\_\_\_\_ b.  $\frac{1}{5}$  of 30 = \_\_\_\_\_

6a.  $\frac{1}{4}$  of \_\_\_\_\_ = 3 b.  $\frac{1}{5}$  of \_\_\_\_\_ = 4

7. Write these decimals as a fraction

a. 0.6 = \_\_\_\_\_ b. 0.2 = \_\_\_\_\_

Score: \_\_\_\_\_ /20



