



The Wilkie Way

NZ Curriculum Mathematical Number Knowledge & Skills Screening Assessment Level 4 Even Year

Student Name _____

Year Group _____

Area of Mathematics		
Whole numbers	/23	
Addition & Subtraction	/15	
Multiplication & Division	/20	
Fractions	/22	
Decimals & Percentages	/20	
Total	/100	

Comments:

It is a breach of copyright to photocopy this booklet

What do you know about numbers?

1. Write the following numbers.

a. thirty thousand five hundred and seventy eight

b. twenty one million five hundred and sixty three thousand and four

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

a. 468 _____

b. 3576 _____

c. 23 658 _____

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

a. 6845 _____

b. 46 813 _____

c. 375 635 _____

4. Complete the table by rounding the numbers in the first column.

	Round to the closest 10	Round to the closest 100	Round to the closest 1000
2768			
67823			

5. Complete the following:

a. 43.68×10

b. 684×100

c. 4.28×1000

d. $5000 \div 10$

e. $2148 \div 100$

f. $476 \div 1000$

6. These numbers are written in standard form. Re write the numbers in full.

a. 5×10^3

b. 4×10^5

c. 3×10^4

Score: /23

**What do you know about addition and subtraction?
Solve these equations mentally.**

1a. $567 + 199 = \underline{\hspace{2cm}}$ **b.** $456 - 198 = \underline{\hspace{2cm}}$ **c.** $257 + 256 = \underline{\hspace{2cm}}$

Use a written method to solve these equations.

2a. $437 + 356 =$

b. $732 - 468 =$

3a. $475 + \underline{\hspace{2cm}} = 721$

b. $960 - \underline{\hspace{2cm}} = 379$

4a. $564.4 + 76.83 =$

b. $846.3 - 68.74 =$

Estimate the answer to the following equations to the closest thousand.

5a. $5681 + 3279 = \underline{\hspace{2cm}}$

b. $7421 - 3865 = \underline{\hspace{2cm}}$

Estimate the answer to the following equations to the closest hundred.

6a. $4836 + 878 = \underline{\hspace{2cm}}$

b. $7642 - 487 = \underline{\hspace{2cm}}$

7a. $4587 + 3229 = \underline{\hspace{2cm}}$

b. $6886 - 2648 = \underline{\hspace{2cm}}$

Score: /15

What do you know about multiplication and division?

1a. Write all the factors of 20 _____

b. What is the lowest common multiple of 3, 6 and 9 _____

2. Circle the prime number 9 16 26 39 43 68

Solve these equations mentally

3a. $86 \times 5 =$ _____

b. $99 \times 7 =$ _____

Solve the following equations and show how you arrived at your answer.

4a. $36 \times 4 =$ _____

b. $468 \times 7 =$ _____

5a. $76 \div 4 =$ _____

b. $258 \div 3 =$ _____

6a. $26 \times 48 =$ _____

b. $63 \times 32 =$ _____

7a. $1.2 \times 0.5 =$ _____

b. $15 \div 0.25 =$ _____

Estimate the answer to the following equations to the closest hundred.

8a. $582 \times 8 =$ _____

b. $412 \times 7 =$ _____

9a. $783 \div 4 =$ _____

b. $1231 \div 3 =$ _____

Write the answers

10a. 5^2 _____

b. 3^3 _____

c. 2^5 _____

Score: /20

What do you know about fractions

- 1a. What is $\frac{1}{4}$ of 48 _____
- b. What is $\frac{3}{4}$ of 36 _____
- c. What is $\frac{5}{8}$ of 56 _____
- d. What is $\frac{7}{5}$ of 30 _____

2. Choose the correct fraction from the table equivalent to the fraction given.

$\frac{4}{6}$	$\frac{3}{12}$	$\frac{18}{15}$	$\frac{9}{24}$
---------------	----------------	-----------------	----------------

- a. $\frac{1}{4}$ _____
- b. $\frac{3}{8}$ _____
- c. $\frac{2}{3}$ _____
- d. $\frac{6}{5}$ _____

Write these fractions where they belong on the number line

- 3a. $\frac{1}{4}$
- b. $\frac{2}{4}$
- c. $\frac{3}{4}$
- d. $\frac{5}{4}$



- 4a. $\frac{6}{6}$
- b. $\frac{2}{3}$
- c. $\frac{3}{8}$
- d. $\frac{1}{5}$



5. Add these fractions and write answer in simplest form.

- a. $\frac{1}{8} + \frac{3}{8} =$
- b. $\frac{2}{3} + \frac{5}{6} =$
- c. $\frac{1}{3} + \frac{2}{5} =$

6. Subtract these fractions

- a. $\frac{5}{6} - \frac{1}{6} =$
- b. $\frac{3}{4} - \frac{5}{8} =$
- c. $\frac{4}{5} - \frac{3}{7} =$

Score: /22

What do you know about decimals and percentages?

1. Write these numbers in order from smallest to largest.

a. 0.45 0.251 0.6 0.057 0.84 _____

b. 2.3 2.36 2.036 2.306 2.63 _____

2. How many tenths in each of these numbers?

a. 0.73 _____

b. 5.4 _____

How many hundredths in each of these numbers.

c. 0.86 _____

d. 2.35 _____

3. Solve the following addition and subtraction mentally

a. $35.7 + 23.8 =$ _____

b. $46.67 + 22.98 =$ _____

c. $68.3 - 25.9 =$ _____

d. $84.47 - 32.99 =$ _____

4. Write these fractions as decimal numbers.

a. $\frac{3}{2}$ _____

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

c. $\frac{4}{5}$ _____

5. Write these fractions as a percentage

a. $\frac{3}{10}$ _____

b. $\frac{3}{5}$ _____

c. $\frac{11}{25}$ _____

d. $\frac{7}{20}$ _____

6. Find

a. 20% of 124 _____

b. 60% of 248 _____

c. 25% of 144 _____

Score: /20