



The Wilkie Way

NZ Curriculum Mathematical Number Knowledge & Skills Screening Assessment Level 4 Odd Years

Student Name _____

Year Group _____

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

Comments:

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What do you know about numbers?

1. Write the following numbers.

a. forty thousand six hundred and three

b. thirty four million nine hundred and seven thousand two hundred and sixty one

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

a. 739 _____

b. 4857 _____

c. 23 _____

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

a. 4276 _____

b. 53 723 _____

c. 264 396 _____

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

	Round to the nearest 10	Round to the closest 100	Round to the closest 1000
3687			
54 931			

5. Complete the following:

a. 24.34×10

b. 576×100

c. 6.39×1000

d. $3000 \div 10$

e. $4396 \div 100$

f. $324 \div 1000$

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

a. 3×10^4

b. 8×10^5

c. 2×10^3

Score: /23

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

1a. $345 + 198 = \underline{\hspace{2cm}}$ **b.** $673 - 199 = \underline{\hspace{2cm}}$ **c.** $358 + 357 = \underline{\hspace{2cm}}$

Use a written method to solve these equations.

2a. $528 + 264 =$

b. $824 - 576 =$

3a. $387 + \underline{\hspace{2cm}} = 632$

b. $742 - \underline{\hspace{2cm}} = 280$

4a. $634.8 + 87.66 =$

b. $832.4 - 56.82 =$

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

5a. $6734 + 2377 = \underline{\hspace{2cm}}$

b. $8532 - 3775 = \underline{\hspace{2cm}}$

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

6a. $5364 + 883 = \underline{\hspace{2cm}}$

b. $8732 - 378 = \underline{\hspace{2cm}}$

7a. $5768 + 2094 = \underline{\hspace{2cm}}$

b. $9787 - 3472 = \underline{\hspace{2cm}}$

Score: /15

What do you know about multiplication and division?

1a. Write all the factors of 32 _____

b. What is the lowest common multiple of 2, 4 and 7 _____

2. Circle the prime number 8 18 27 37 46 63

Solve these equations mentally

3a. $63 \times 5 =$ _____

b. $99 \times 6 =$ _____

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

4a. $58 \times 7 =$

b. $372 \times 8 =$

5a. $81 \div 3 =$

$348 \div 4 =$

6a. $38 \times 24 =$

b. $57 \times 46 =$

7a. $6 \times 0.5 =$

b. $12 \div 0.25 =$

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

8a. $473 \times 6 =$ _____

b. $821 \times 9 =$ _____

9a. $576 \div 3 =$ _____

b. $2417 \div 6 =$ _____

Write the answers

10a. 7^2 _____

b. 2^3 _____

c. 3^4 _____

Score: /20

What do you know about fractions

- 1a. What is $\frac{1}{4}$ of 36 _____
- b. What is $\frac{3}{4}$ of 32 _____
- c. What is $\frac{5}{8}$ of 64 _____
- d. What is $\frac{7}{5}$ of 40 _____

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

$\frac{12}{15}$	$\frac{21}{12}$	$\frac{5}{15}$	$\frac{15}{24}$
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- a. $\frac{1}{3}$ _____
- b. $\frac{4}{5}$ _____
- c. $\frac{5}{8}$ _____
- d. $\frac{7}{4}$ _____

Write these fractions where they belong on the number line.

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



- 4a. $\frac{5}{5}$ b. $\frac{3}{4}$ c. $\frac{9}{4}$ d. $\frac{3}{4}$



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

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

6. Subtract these fractions

- a. $\frac{6}{7} - \frac{2}{7} =$ b. $\frac{4}{5} - \frac{3}{10} =$ c. $\frac{7}{9} - \frac{1}{6} =$

Score: /22

What do you know about decimals and percentages?

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

a. 0.35 0.276 0.5 0.068 0.91 _____

b. 4.5 4.54 4.054 4.504 4.45 _____

2. How many tenths in each of these numbers?

a. 0.67 _____

b. 3.8 _____

How many hundredths in each of these numbers.

c. 0.75 _____

d. 1.43 _____

3. Solve the following addition and subtraction mentally

a. $34.6 + 24.7 =$ _____ b. $2.56 + 34.99 =$ _____

c. $79.2 - 34.5 =$ _____ d. $68.56 - 21.99 =$ _____

4. Write these fractions as decimal numbers.

a. $\frac{5}{2}$ _____

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

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

5. Write these fractions as a percentage

a. $\frac{1}{4}$ _____

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

c. $\frac{13}{25}$ _____

d. $\frac{9}{20}$ _____

6. Find

a. 20% of 142 _____

b. 60% of 242 _____

c. 25% of 96 _____

Score: /20