

**N5 - Expressions
& Formulae****Worksheet 3****Bronze Level****Outcome 1 - Multiplication &
Division of Indices**

Write each of the following
in their simplest index form...

1

$x^6 \times x^8$

2

$5b^7 \times 9b^9$

3

$7g^2 \times 9g^3$

4

$k^9 \div k^3$

5

$40y^{15} \div 5y^4$

6

$$\frac{24c^6}{6c^2}$$

Outcome 2 - More Laws of Indices

Write each of the following
in their simplest index form...

1

$(x^9)^3$

2

$(u^6)^4$

3

$(q^9)^6$

4

$(8e^5)^2$

5

$(5g^5)^3$

6

$(2b^7)^5$

Outcome 3 - Calculations using Scientific Notation

Write the following in scientific notation...

1

209

2

$780\,500$

3

0.123

4

$0.000\,00902$

Write the following in number form...

5

8.21×10^3

6

4.07×10^8

7

5.05×10^{-4}

8

7.006×10^{-6}