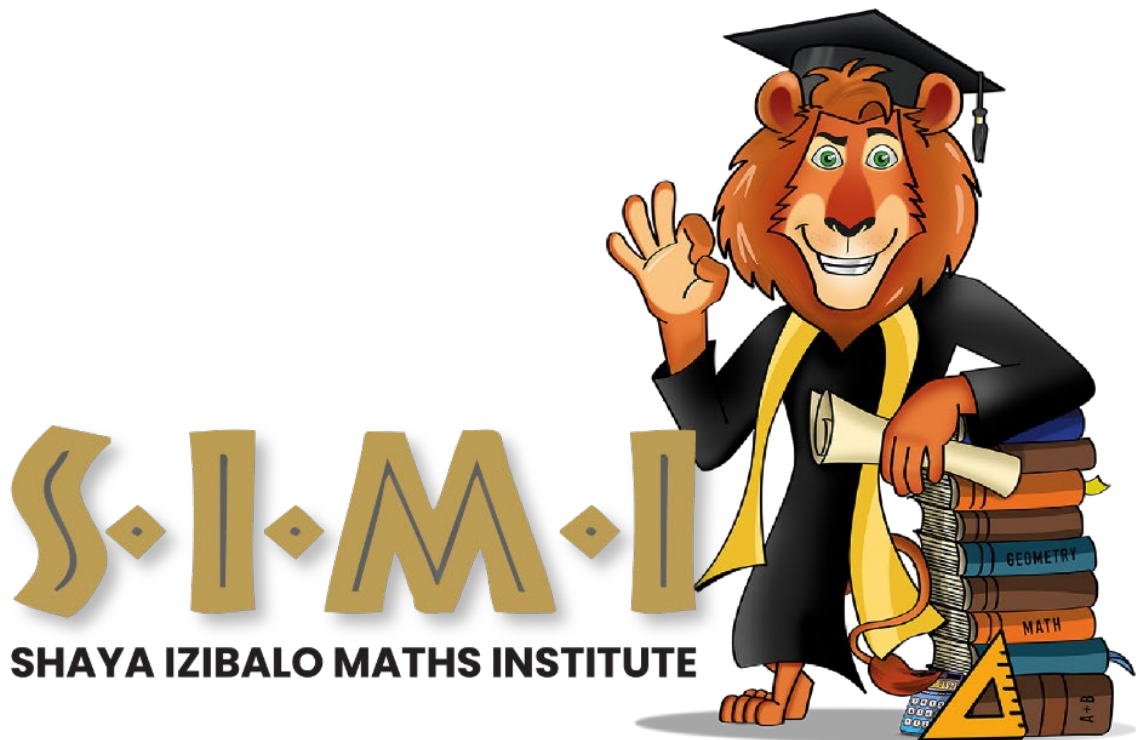


Grade 9 Mathematics

Revision Workshop on 12th March 2026



NAME: _____

1. Simplify:

a. -2×3^2

b. $2^3 \times 3^2$

c. $\sqrt[3]{-2 \times 4}$

d. $3\frac{1}{5} \times 2\frac{1}{4}$

e. $\frac{4}{5} + 0,2 - 15\%$

f. $\frac{3}{4} - (-3,2) + (-17\%)$

g. $3 \times 3 \times 3 \times \times 3 \times 3 \times 3 \times e \times e \times e$

h. $4^{11} \times 4^{15}$

2. Simplify the following giving your answers with positive exponents if necessary:

a. $a^3 \times a^{11}$

b. $e^7 \div e^4$

c. $(2x)^4$

d. $a^3 \times a^7 \times a^9$

e. $\frac{g^8}{g^5}$

f. $\frac{8t^9}{2t^{12}}$

g. $3^6 \times 3^5$

h. $\frac{p^5q^9r^7}{p^2q^{12}r^7}$

i. $(3x)^2 \times (2x)^3$

j. $\frac{3a^2b \times 4a^3b^6}{2ab^4 \times 6a^7b^2}$

k.
$$\frac{(2a^2b^3)^3 \times 3ab^{-2}}{4ab^{-4} \times 6a^3b^8}$$

l.
$$\sqrt{9a^6b^{16}} \times \sqrt[3]{8a^6b^{12}}$$

3. Consider the following set of numbers:

4 ; 10 ; 16 ; 22 ; 28 ; 34 ;

a. Write down the next 2 numbers

b. What would the 12th term be?

c. What would the n^{th} term be?

4. Consider the following set of numbers:

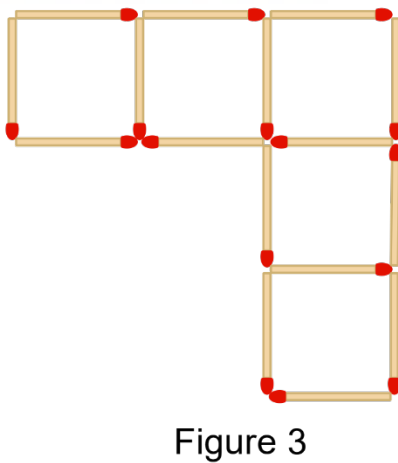
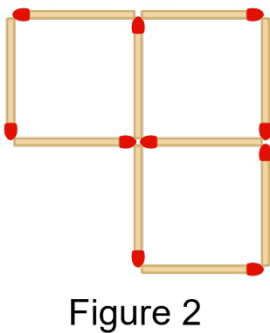
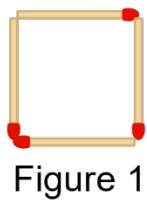
20 ; 17 ; 14 ; 11 ; 8 ;

a. Write down the next 2 numbers

b. What would the 12th term be?

c. What would the n^{th} term be?

5. Consider the picture below:



Complete the table:

Figure Number	1	2	3	4	7	10			f		
Number of Squares							12			s	
Number of matches used								76			m

6. Complete these number machines:

