

Phindavele High School

Grade 8 Mathematics

Term2 Quiz

Duration: 1hr

Marks: 20

9 May 2022

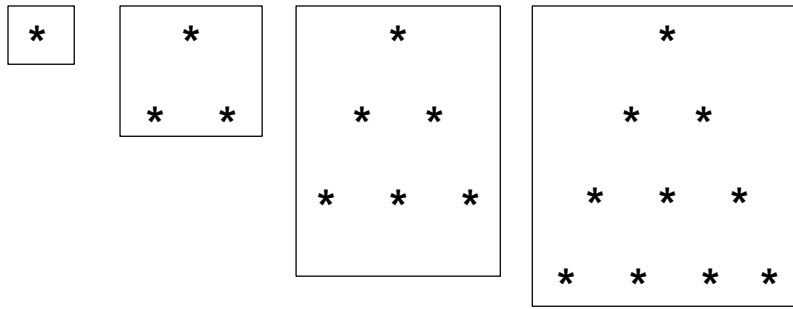
Teacher: Mr Mngoma

Moderator: Mr Ntwanambi

INSTRUCTIONS

- 1) MUST ANSWER ALL QUESTIONS.
- 2) ROUND OF TO TWO DECIMAL PLACES **UNLESS STATED OTHERWISE.**
- 3) USE OF CALCULATOR IS ALLOWED **UNLESS STATED OTHERWISE.**
- 4) COMMUNICATION DURING TEST/EXAMINATION PROGRESS IS PROHIBITED.

1. Given the sequence of boxes below, solve the following problems.



1.1. Write the next 3 boxes in the existing pattern. (3)

1.2. How many stars will be on the 10th box? (2)

2. Simplify the following: (2)

2.1. $\frac{7}{3} + \frac{5}{4} =$ (2)

2.2. $4\frac{3}{2} \times 5\frac{7}{5} =$

3. Simplify the Following:

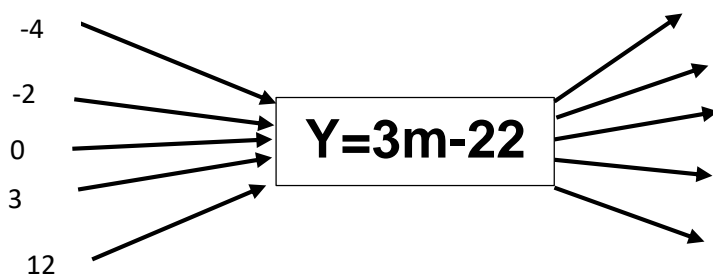
3.1. $7^5 =$ (1)

3.2. $x^2 \times x^7 =$ (2)

3.3. $\frac{5y^{13}}{4y^{22}} =$ (2)

3.4. $x^3 - 8x^3 =$ (1)

4. Solve the following spider map. (5)



20 Marks
Good Luck