

AL TA'AWUN SCHOOL
MATHEMATICS TEST : GRADE 8

STUDENT NAME: _____ **GRADE 8/** _____

Time : 40 min

Paper1 (Term-1 2022, 2023)

(20 marks)

Mark the box with (✓) for correct answer for questions 1 to 12 . For questions 13 to 16 write the answer in this sheet.

الورقة هذه في بحلها قم ، 16 إلى 13 من الأسئلة بالنسبة .الصحيحة الإجابة حدد ، 12 إلى 1 من الأسئلة بالنسبة

Question 1: The expression $2x2x2x2x2x2x2$ in exponent form is

(1)

- ☐ (a) 2^6
- ☐ (b) 2^7
- ☐ (c) $7 \times (2)$
- ☐ (d) $2+2+2+2+2+2+2$

Question 2: The expression $(-6)(-6)(-6)(-6)(-6)$ in exponent form is

(1)

- ☐ (a) $(6)^5$
- ☐ (b) $(-6)^{-5}$
- ☐ (c) $(-6)^5$
- ☐ (d) -6×5

Question 3: The expression $(3)(3)(3)(-1)(-1)$ in **exponent** form is

(1)

- ☐ (a) $3^3(-1)^2$
- ☐ (b) $(-3)^{-2}$
- ☐ (c) $3^2(-1)^{-2}$
- ☐ (d) -3^{-1}

(page-1)

Question 4: Which expression is monomial

(1)

- ☐ (a) $2x - 8$
- ☐ (b) $x + y + z$
- ☐ (c) x
- ☐ (d) $3x^2 + 2y^2$

Question 5: Simplify $X^5 X^4$

(1)

- ☐ (a) X^{20}
- ☐ (b) X^9
- ☐ (c) $20 X$
- ☐ (d) $9 X$

Question 6: Simplify $\frac{8^{10}}{8^6}$

(1)

- ☐ (a) 8^{16}
- ☐ (b) 8^4
- ☐ (c) 4×8
- ☐ (d) $80 - 48$

Question 7: Simplify $(y^3)^6$

(1)

- ☐ (a) $18y$
- ☐ (b) Y^6
- ☐ (c) Y^{18}
- ☐ (d) Y^9

(page-2)

Question 8: Simplify $(a^2b^2c^2)^3$

(1)

☐ (a) $2a2b2c$

☐ (b) $a^5b^5c^5$

☐ (c) $a^6b^6c^6$

☐ (d) $24abc$

Question 9: Value of 5^0 is

(1)

☐ (a) 0

☐ (b) 5

☐ (c) 1

☐ (d) $\frac{1}{5}$

Question 10: Simplify 2^{-6}

(1)

☐ (a) -12

☐ (b) $\frac{1}{2^{-6}}$

☐ (c) $\frac{1}{2^6}$

☐ (d) 4

(page-3)

Question 11: 5.89×10^{-6} in standard form is

(1)

☐ (a) 0.0000000598

☐ (b) 0.00000589

☐ (c) 589000000

☐ (d) 5.8900000

Question 12: 3900000 in scientific form is

(1)

☐ (a) 0.39×10^{-6}

☐ (b) 3.9×10^6

☐ (a) 3.9×10^{-6}

☐ (b) 3.9×10^5

Question 13: Simplify the expression $\frac{125 \times 10^8}{25 \times 10^5}$

(2)

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Question 14: Simplify the expression $45.5 \times 10^{-5} - 12.8 \times 10^{-5}$ (2)

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Question 15: Evaluate $a^2 + b^3$ for $a = 6$ and $b = 8$ (2)

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Question 16: Simplify the expression $[(5^2)^2]^2$ (2)

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