

St. Andrews Scots Sr. Sec. School

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Session: 2025-2026 – Worksheet

Class: VII

Subject: Maths

Topic: Powers and exponent

Worksheet No: 11

Q1. The exponential form of 3125 is

- (a) 5^2
- (b) 5^3
- (c) 5^4
- (d) 5^5

Q2. The value of $(-2)^4$ is

- (a) -16
- (b) 16
- (c) 8
- (d) - 8

Q3. The value of $3^0 \times 4^0 \times 5^0$ is

- (a) 60
- (b) 0
- (c) 1
- (d) 3

Q4. If x is a rational number and 'a' and 'b' are whole numbers then the value of $x^a \times x^b$ is

- (a) x^{-a-b}
- (b) x^{ab}
- (c) x^{ab}
- (d) x^{a+b}

Q5. 20,00,000 in standard form is

- (a) 0.2×10^5
- (b) 2.0×10^6
- (c) 10.2×10^6
- (d) 10.2×10^5

Q6. The value of $\frac{3^7}{3^5 \times 3^2}$ is

- (a) 1
- (b) 3
- (c) 5
- (d) 8

Q7. If x is a rational number 'a' and 'b' ($a > b$) are whole numbers, then the value of $x^a \div x^b$ is

- (a) x^{a+b}
- (b) x^{a-b}
- (c) x^{ab}
- (d) x^{ab}



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Q8. 1.2×10^{10} in the normal form is

- (a) 120000000000
- (b) 120000000
- (c) 12000000
- (d) 12000 000 000

Q9. The exponential form of 3125 is

- (a) 5^2
- (b) 5^3
- (c) 5^4
- (d) 5^5

Q10. If $(-3)^4 \times (-3)^6 = (-3)^x$ then $x = \dots\dots\dots$

- (a) -10
- (b) 10
- (c) - 4
- (d) - 6

Q10. Find the value of

- (a) $(8^0 - 2^0) \div (8^0 + 2^0)$
- (b) $(2^0 + 3^0 + 4^0) - (4^0 - 3^0 - 2^0)$

