



SRI VIDYANIKETAN PUBLIC SCHOOL -SRIRAMNAGAR
GRADE: VII **SUB: MATHEMATICS**

TOPIC: EXPONENTS AND POWERS
LIVE WORKSHEET-1

1. What is the base in 8^2 ?

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|-------|--------|
| (a) 8 | (b) 2 |
| (c) 6 | (d) 10 |

2. What is the exponent in 8^2 ?

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|--------|--------|
| (a) 8 | (b) 2 |
| (c) 16 | (d) 64 |

3. The exponential form of 100000

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|------------|------------|
| (a) 10^3 | (b) 10^4 |
| (c) 10^5 | (d) 10^6 |

4. The exponential form of 81 is

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|-----------|-----------|
| (a) 3^4 | (b) 3^3 |
| (c) 3^2 | (d) 3^1 |

5. The exponential form of 32 is

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

6. The value of $(-1)^2$ is

- (a) 0 (b) -1
(c) 1 (d) 2

7. If $2^3 \times 2^4 = 2^x$, then $x =$

- (a) 3 (b) 4
(c) 1 (d) 7

8. $2^7 \div 2^3 =$

- (a) 2^4 (b) 2^{10}
(c) 2 (d) 12

9. $(2^2)^3 =$

- (a) 2^2 (b) 2^3
(c) 2^1 (d) 2^6

10. $3^0 =$

- (a) 0 (b) 1
(c) 3 (d) 30