

# Understanding Exponents

Lesson 1 Name \_\_\_\_\_



1. Find the number for each of the questions below
2. Place your answer in the space provided.
3.  $4^2$  on the QR code means 4 squared.
4. When done scan in the QR code to see check your answers.

Rewrite the number as a multiplication problem.

- |          |          |
|----------|----------|
| 1) $9^4$ | 1. _____ |
| 2) $4^2$ | 2. _____ |
| 3) $4^3$ | 3. _____ |
| 4) $6^3$ | 4. _____ |
| 5) $8^3$ | 5. _____ |

Rewrite the multiplication problem in exponential notation.

- |   |           |
|---|-----------|
| 6) $4 \times 4 \times 4 \times 4 \times 4$  | 6. _____  |
| 7) $9 \times 9$                             | 7. _____  |
| 8) $4 \times 4$                             | 8. _____  |
| 9) $3 \times 3 \times 3 \times 3$           | 9. _____  |
| 10) $5 \times 5 \times 5 \times 5 \times 5$ | 10. _____ |

Solve the problems.

- |                                      |           |
|--------------------------------------|-----------|
| 11) $2^2$                            | 11. _____ |
| 12) $8^3$                            | 12. _____ |
| 13) $9^3$                            | 13. _____ |
| 14) $6^2$                            | 14. _____ |
| 15) $6^3$                            | 15. _____ |
| 16) What is 8 to the power of two?   | 16. _____ |
| 17) What is 5 squared?               | 17. _____ |
| 18) What is 2 to the power of three? | 18. _____ |
| 19) What is 3 cubed?                 | 19. _____ |
| 20) What is 7 to the power of two?   | 20. _____ |