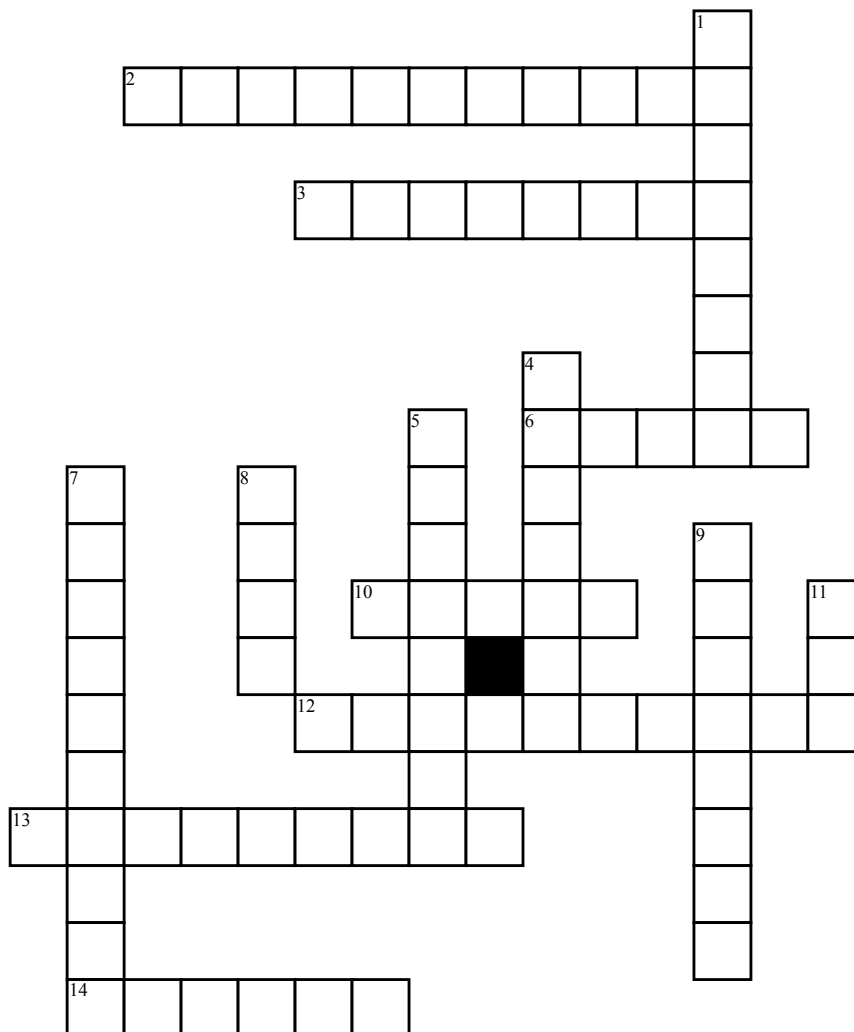


Exponents & Rules of Exponents



Across

- 2. Simplify three to the third power
- 3. Negative exponents make the expression a _____
- 6. Two raised to the third power equals _____
- 10. Four to the second _____ equals sixteen
- 12. Simplify five squared

- 13. Simplify eight to the negative one power
- 14. A fractional exponent of $1/2$ means there is a _____ root

Down

- 1. Three raised to the negative two power simplifies to _____
- 4. Eighty-one is a _____ square

- 5. Tells what to do with the base
- 7. Simplify two-thirds to the second power
- 8. The number factor
- 9. A negative exponent tells you the base is _____
- 11. Any base raised to the zero power equals _____

Word Bank

- | | | | | |
|-----------|-------------|----------|--------------|-------------|
| fraction | four-ninths | eight | twenty-seven | twenty-five |
| one-ninth | one-eighth | one | perfect | Dividing |
| base | square | exponent | power | |