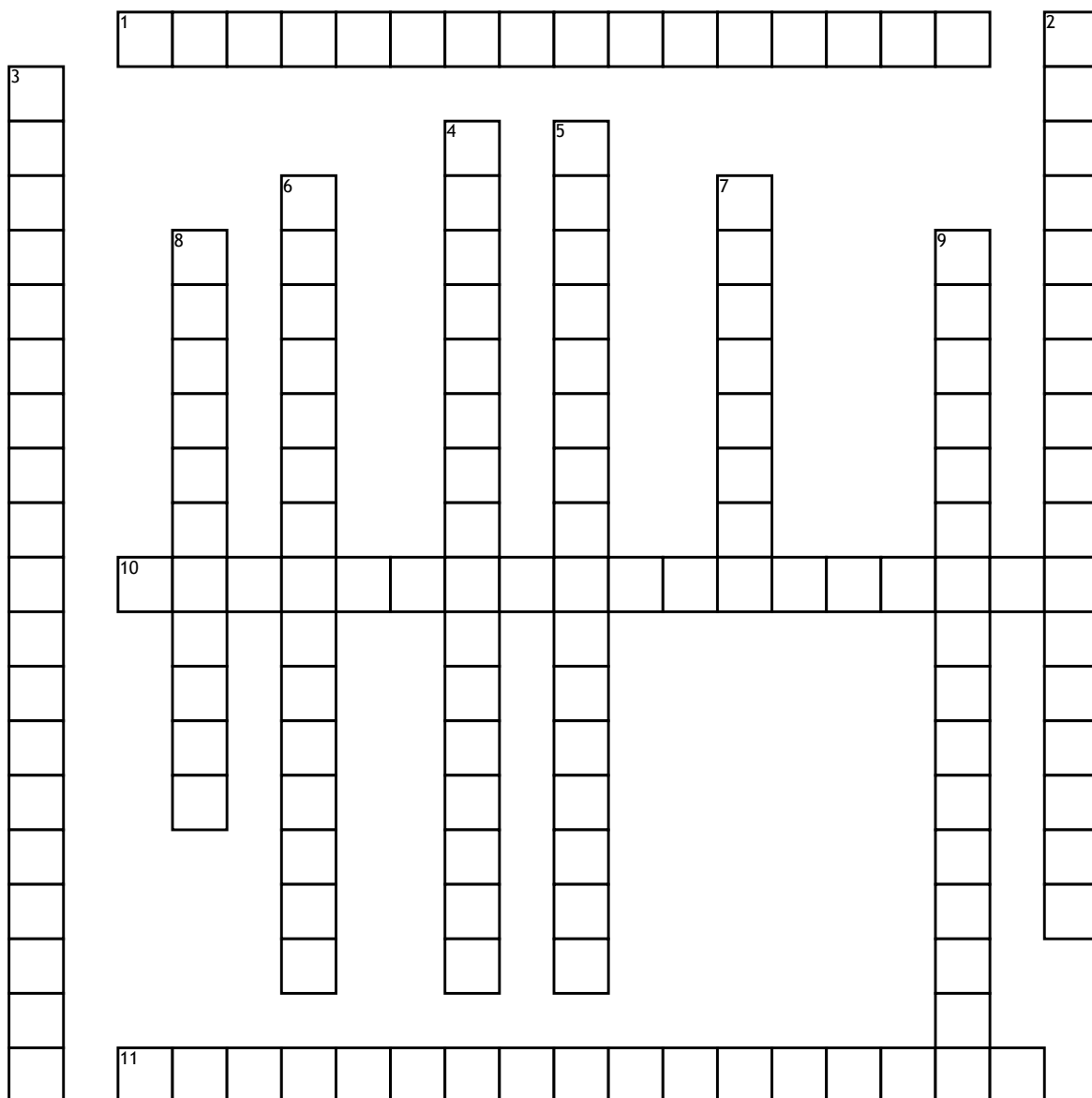


Exponential Functions



Across

1. each term is defined using one or more previous terms

10. A sequence whose successive terms differ. by the same nonzero number

11. an exponential function of the form $f(x)=ab$ in which $b>1$

Down

2. a sequence in which each term after the first term a is obtained by multiplying the previous term by a constant r , called the common ratio.

3. function whose value is a constant raised to the poer of the arument

4. A formula for a sequence in which one or more previous terms are used to generate the next term

5. an exponential function of the form $f(x)=ab$ in which $0<b<1$

6. If you can find an explicit formula for a sequence, you will be able to quickly and easily find any term in the sequence simply by replacing n with the number of the term you seek.

7. he half-life of a substance is the time it takes for one-half of the substance to decay into another substance

8. the ratio of a term to the previous term. This ratio is usually indicated by the variable r .

9. Interest earned or paid on both the principal and previously earned interest