SPIRAL
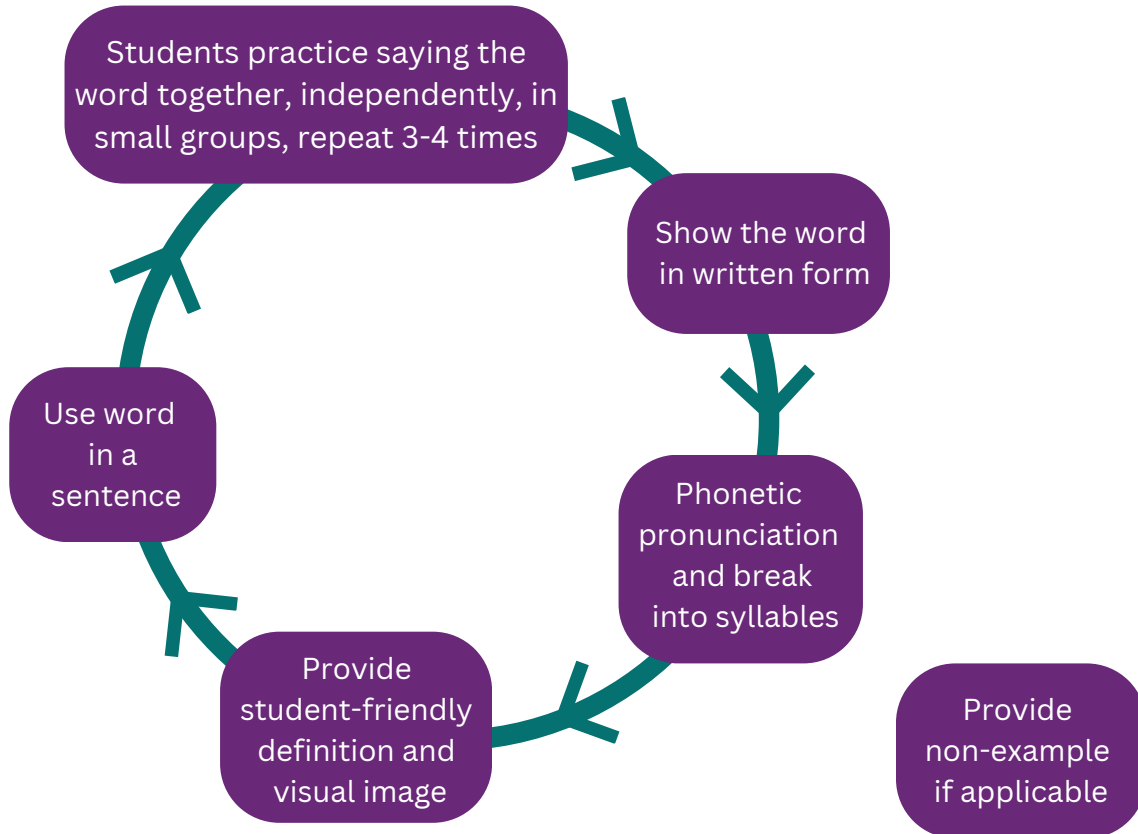
Specialized Math Intervention to Reach All Learners

Grades K-2
Math Glossary

Oral-Language Practice

Students practice saying the word together, independently, in small groups, repeat 3-4 times

Show the word in written form

Phonetic pronunciation and break into syllables

Provide non-example if applicable

Provide student-friendly definition and visual image

Use word in a sentence

Sample oral-language practice with math term: addend

1. Say: "addend"

2. Phonetic pronunciation: "a/dend"

3. Math definition: "Any numbers that are added together."

4. Sentence: "In this number sentence, the addends are 2 and 5."

5. Non-example: "The adding numbers are 2 and 5."

$$7 = 2 + 5$$

Math Glossary

Term	Definition
add/addition *(sumar/suma)*	To combine or increase.
addend *(sumando)*	Numbers added together.
area *(área)*	The number of square units that covers a closed figure.
base *(base)*	The bottom shape of a three-dimensional figure.
cent (¢) *(centavo)*	A unit of U.S. money.
change problem *(problema de cambio)*	A word problem with a starting amount that increases or decreases to a new amount.
circle *(círculo)*	A two-dimensional round shape.
column *(columna)*	Items arranged vertically (up and down).
compare *(comparar)*	To find the difference between two sets.
compose *(componer)*	To combine numbers together.
cone *(cono)*	A solid three-dimensional figure with a circle base and a surface that narrows to a vertex.
cube *(cubo)*	A solid three-dimensional figure with six equal square faces.

Math Glossary

Term	Definition
cylinder *(cilindro)*	A solid three-dimensional figure with circles as faces and a curved surface connecting the circles.
decompose *(descomponer)*	To break a number apart.
difference *(diferencia)*	The result of subtracting.
difference problem *(problema de diferencia)*	A word problem with two amounts compared for a difference.
digit *(dígito)*	A single numeral used to show place value.
dime *(moneda de 10 centavos)*	A U.S. coin that is worth 10 cents.
dollar ($) *(dólar)*	A unit of U.S. money worth 100 cents.
edge *(borde/esquina)*	A line segment that connects two vertices in a three-dimensional figure.
equal *(igual)*	When the value on the left side of the equal sign is the same as the value on the right side.
equal sign *(signo de igual)*	The symbol that tells you that two sides of an equation are the same.
even *(par)*	A number that can be split into two equal groups.
expanded form *(forma expandida)*	A way to write numbers showing the place value of each digit.

Math Glossary

Term	Definition
face *(cara)*	The flat surface of a three-dimensional figure.
fourths *(cuartos)*	One of four equal parts (of a whole), also referred to as "quarters."
fraction *(fracción)*	Part of a length, area, or set (the parts must be equal in size).
greater than/more than *(mayor que/más que)*	When the value in one expression is larger than another expression.
half/halves *(la mitad/las mitades)*	One of two equal parts (of a whole).
hexagon *(hexágono)*	A polygon with six sides and six angles.
horizontal *(horizontal)*	In a left-to-right orientation lined up with the horizon.
hour *(hora)*	A unit of time equal to 60 minutes.
hour hand *(manecilla de la hora)*	The short hand on the clock that tells the hour.
hundred/hundreds *(cien/ciento)*	A grouping of 10 tens or 100 ones.
join *(unir)*	To add to an existing set.
length *(longitud)*	The measure of one side of an object, typically the longer side.

SPIRAL
Specialized Math Intervention to Reach All Learners

Math Glossary

Term	Definition
less than/fewer than (menos que/menos de)	When the value in one expression is less than another expression.
minuend (minuendo)	The number from which another number is subtracted.
minus sign (signo menos)	The symbol that tells you to subtract.
minute (minuto)	A unit of time equal to 60 seconds.
minute hand (manecilla del minuto)	The long hand on the clock that tells the minutes.
nickel (níquel)	A U.S. coin that is worth 5 cents.
number line (recta numérica)	A straight line with numbers placed at equal intervals.
octagon (octágono)	A polygon with eight sides and eight angles.
odd (impar)	A number that cannot be split into two equal groups.
one/ones (uno/unos)	A "one" is a single unit.
parallelogram (paralelogramo)	A quadrilateral with opposite sides that are parallel.
penny (centavo)	A U.S. coin that is worth 1 cent.

Math Glossary

Term	Definition
pentagon *(pentágono)*	A polygon with five sides and five angles.
place value *(valor posicional)*	The value of a digit depending on its place in a number.
plus sign *(signo más)*	The symbol that tells you to add.
quadrilateral *(cuadrilátero)*	A polygon with four sides and four angles.
quarter *(moneda de 25 centavos)*	A U.S. coin that is worth 25 cents.
rectangle *(rectángulo)*	A quadrilateral with four right angles.
regroup/trade/exchange *(reagrupar/cambiar)*	The process of exchanging 10 ones for 1 ten, 10 tens for 1 hundred, 10 hundreds for 1 thousand, etc.
rhombus *(rombo)*	A quadrilateral with equal sides and equal opposite angles.
row *(fila)*	Items arranged horizontally (left to right).
schema *(esquema)*	A word problem's type.
separate *(separar)*	To subtract from an existing set.
side *(lado)*	The line segment that forms the outline of a shape.

Math Glossary

Term	Definition
sphere *(esfera)*	A solid round three-dimensional figure.
square *(cuadrado)*	A rectangle with sides of equal length.
standard form *(forma estándar)*	A way to write numbers using digits.
subtract/subtraction *(restar/resta)*	To compare two sets or to separate from a set.
subtrahend *(sustraendo)*	The number to be subtracted.
sum *(suma)*	The result of adding.
ten/tens *(diez/decenas)*	A grouping of 10 ones.
third(s) *(tercio)*	One of three equal parts (of a whole).
total problem *(problema de total)*	A word problem with two or more amounts combined for a total.
trapezoid *(trapecio)*	A quadrilateral with one pair of parallel sides.
triangle *(triángulo)*	A polygon with three sides and three angles.
vertex/vertices *(vértice/vértices)*	The point at which two line segments, lines, or rays meet to form an angle.

Math Glossary

Term	Definition
vertical *(vertical)*	In a top-to-bottom orientation.
weight *(peso)*	The measure of how heavy something is.