

Math Terminology Quiz

Pre-Algebra (Q1–10) · Geometry (Q11–20) · Self-Study Worksheet

Part 01 · Pre-Algebra Terminology

Q01 Variable

A letter used to represent an unknown number.

In $3x + 5$, what is the variable?

Memory Key: letter = unknown

Answer: _____

Q02 Coefficient

The number multiplied by a variable.

In $7m$, what is the coefficient?

Memory Key: number IN FRONT of letter

Answer: _____

Q03 Constant

A fixed value that does NOT change.

In $4x + 9$, which part is the constant?

Memory Key: constant = never changes

Answer: _____

Q04 Like Terms

Terms with the same variable AND same exponent.

From $3x$, $5y$, $7x$, $2x^2$ — which two are like terms?

Memory Key: same letter + same power

Answer: _____

Q05 Order of Operations (PEMDAS)

The rule for which operation to do first.

What does the 'E' stand for in PEMDAS?

Memory Key: P=Parentheses, E=?, M=Multiply, D=Divide, A=Add, S=Subtract

Answer: _____

Q06 Integer

Whole numbers, zero, and negatives — NO fractions.

Is -5 an integer? (yes / no)

Memory Key: ...-3, -2, -1, 0, 1, 2, 3... NO decimals or fractions!

Answer: _____

Q07 Absolute Value

The distance from zero on a number line — always ≥ 0 .

What is $|-8|$?

Memory Key: $|number| = distance = always\ positive$

Answer: _____

Q08 Inequality

A statement two values are NOT equal (uses $<$, $>$, \leq , \geq).

What does the symbol \geq mean in words?

Memory Key: $<$ less than | $>$ greater than | \leq at most | \geq at least

Answer: _____

Q09 Prime Number

A number with exactly 2 factors: 1 and itself.

Is 1 a prime number? (yes / no)

Memory Key: exactly 2 factors — 1 has only 1 factor = NOT prime!

Answer: _____

Q10 Distributive Property

Multiply the outside number by each term inside parentheses.

Simplify: $3(x + 4)$

Memory Key: $a(b + c) = ab + ac \rightarrow distribute\ to\ ALL\ terms$

Answer: _____

Part 02 - Geometry Terminology

Q11 Complementary Angles

Two angles that add up to 90 degrees.

If one angle is 35° , what is its complement?

Memory Key: Complementary = Corner (90°) | Supplementary = Straight (180°)

Answer: _____

Q12 Supplementary Angles

Two angles that add up to 180 degrees.

If one angle is 110° , what is its supplement?

Memory Key: C comes before S $\rightarrow 90^\circ$ comes before 180°

Answer: _____

Q13 Perimeter

The total distance around a shape.

Find the perimeter of a rectangle: length=8, width=3.

Memory Key: Perimeter = Path around = add ALL sides | $P = 2(l + w)$

Answer: _____

Q14 Area of a Triangle

The space inside a 2D shape.

Find the area of a triangle: base=10, height=6.

Memory Key: Area = inside space | Triangle = $(1/2) \times b \times h$

Answer: _____

Q15 Parallel Lines

Lines that never meet, staying the same distance apart.

Which symbol means parallel: || or perpendicular sign?

Memory Key: || = parallel (two rails) | T-shape = perpendicular (90°)

Answer: _____

Q16 Pythagorean Theorem

In a right triangle: $a^2 + b^2 = c^2$, where c is the hypotenuse.

If $a=3$ and $b=4$, find c.

Memory Key: c = hypotenuse = longest side = opposite the right angle

Answer: _____

Q17 Circumference

The perimeter of a circle. Formula: $C = 2(\pi)r$.

If radius = 7, find C. (Use $\pi = 3.14$)

Memory Key: Circumference = Circle's perimeter | $C = \pi \times d = 2 \times \pi \times r$

Answer: _____

Q18 Vertical Angles

When two lines cross, angles across from each other are equal.

If one vertical angle is 65° , what is the other?

Memory Key: Vertical angles = always EQUAL (X-shape) — 'vertical' means same vertex!

Answer: _____

Q19 Volume of a Rectangular Prism

The 3D space inside a box. Formula: $V = l \times w \times h$.

Find volume: $l=5$, $w=4$, $h=3$.

Memory Key: Volume = 3D = $l \times w \times h$ | Area = 2D = $l \times w$

Answer: _____

Q20 Sum of Interior Angles

Total of all inside angles. Formula: $(n - 2) \times 180^\circ$.

Find the sum of interior angles of a pentagon (5 sides).

Memory Key: triangle= 180° | quad= 360° | pentagon= 540° | hexagon= 720°

Answer: _____

Answer Key

Q	Answer	Q	Answer
1	x	11	55°
2	7	12	70°
3	9	13	22
4	3x and 7x	14	30
5	Exponents	15	■ (double bar)
6	Yes	16	5
7	8	17	≈ 44
8	Greater than or equal to	18	65°
9	No	19	60
10	3x + 12	20	540°