Simplify each expression in Table I. Then, find the corresponding answer in Table II. This will give you a correspondence between a letter and a number. Use this correspondence to reveal the mystery Haiku.

**Mystery Haiku**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| “ | \_ | \_ | \_ |  | \_ | \_ | \_ | \_ | , |  |  |  |  |  |
|  | 1 | 2 | 6 |  | 9 | 1 | 8 | 6 |  |  |  |  |  |  |
|  | \_ | \_ | \_ | \_ |  | \_ | \_ | \_ | \_ | \_ |  | \_ | \_ |  |
|  | 15 | 16 | 1 | 13 |  | 14 | 10 | 3 | 9 | 5 |  | 12 | 8 |  |
|  | - | \_ | \_ | \_ | \_ | \_ | \_ | “ |  |  |  |  |  |  |
|  |  | 5 | 9 | 2 | 11 | 5 | 4 |  |  |  |  |  |  |  |

Table I

|  |  |  |  |
| --- | --- | --- | --- |
| U$$\left(2x^{3}\right)^{4}$$ | Q$$\frac{x^{0}y^{4}}{3x^{-4}y^{-3}}$$ | R$$\left(4yx^{-4}\right)^{2}$$ | P$$yx^{3}⋅3x^{4}y^{-4}$$ |
| J$$\frac{\left(2x^{2}y^{2}\right)^{3}}{x^{-3}y^{4}}$$ | D$$\left(\frac{1}{3}x^{4}\right)^{4}$$ | F$$\frac{\left(x^{3}\right)^{3}}{\frac{1}{2}x^{-4}y^{0}}$$ | N$$\left(2x^{3}y^{2}\right)^{0}$$ |
| I$$3x^{-3}y^{3}⋅\left(-4\right)x^{0}y^{-3} $$ | A$$\frac{4x^{3}y^{2}}{\frac{1}{4}y^{3}x^{4}}$$ | O$$\left(2x^{0}y^{0}\right)^{3}÷(\frac{1}{4}x^{3}y^{3})$$ | G$$x^{2}y^{-2}⋅y^{4}$$ |
| L$$\frac{xy^{2}⋅3yx^{-2}⋅xy^{-4}}{2x^{2}}$$ | H$$\left(-\frac{1}{3}x\right)^{2}⋅\left(3^{-1}x^{3}\right)^{-1}$$ | M$$\frac{3y^{4}}{x^{-2}y^{-1}}$$ | S$$-\frac{4x^{2}}{\left(-2x\right)^{-2}}$$ |

Table II

|  |  |  |  |
| --- | --- | --- | --- |
| 1$$\frac{32}{x^{3}y^{3}}$$ | 4$$\frac{1}{3x}$$ | 5$$-16x^{4}$$ | 2$$\frac{3}{2x^{2}y}$$ |
| 13$$x^{2}y^{2}$$ | 3$$3y^{5}x^{2}$$ | 9$$\frac{3x^{7}}{y^{3}}$$ | 6$$\frac{x^{16}}{81}$$ |
| 7$$\frac{x^{4}y^{7}}{3} $$ | 10$$16x^{12}$$ | 8$$1$$ | 15$$2x^{13}$$ |
| 12$$-\frac{12}{x^{3}}$$ | 11$$\frac{16}{xy}$$ | 16$$\frac{16y^{2}}{x^{8}}$$ | 14$$8x^{9}y^{2}$$ |

Simplify each expression in Table I. Then, find the corresponding answer in Table II. This will give you a correspondence between a letter and a number. Use this correspondence to reveal the mystery Haiku.

**Mystery Haiku**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| “ | \_ | \_ | \_ |  | \_ | \_ | \_ | \_ | , |  |  |  |  |  |
|  | 1 | 2 | 6 |  | 9 | 1 | 8 | 6 |  |  |  |  |  |  |
|  | \_ | \_ | \_ | \_ |  | \_ | \_ | \_ | \_ | \_ |  | \_ | \_ |  |
|  | 15 | 16 | 1 | 13 |  | 14 | 10 | 3 | 9 | 5 |  | 12 | 8 |  |
|  | - | \_ | \_ | \_ | \_ | \_ | \_ | “ |  |  |  |  |  |  |
|  |  | 5 | 9 | 2 | 11 | 5 | 4 |  |  |  |  |  |  |  |

Table I

|  |  |  |  |
| --- | --- | --- | --- |
| U🡺10$$\left(2x^{3}\right)^{4}$$ | Q🡺7$$\frac{x^{0}y^{4}}{3x^{-4}y^{-3}}$$ | R🡺16$$\left(4yx^{-4}\right)^{2}$$ | P🡺9$$yx^{3}⋅3x^{4}y^{-4}$$ |
| J🡺14$$\frac{\left(2x^{2}y^{2}\right)^{3}}{x^{-3}y^{4}}$$ | D🡺6$$\left(\frac{1}{3}x^{4}\right)^{4}$$ | F🡺15$$\frac{\left(x^{3}\right)^{3}}{\frac{1}{2}x^{-4}y^{0}}$$ | N🡺8$$\left(2x^{3}y^{2}\right)^{0}$$ |
| I🡺12$$3x^{-3}y^{3}⋅\left(-4\right)x^{0}y^{-3} $$ | A🡺11$$\frac{4x^{3}y^{2}}{\frac{1}{4}y^{3}x^{4}}$$ | O🡺1$$\left(2x^{0}y^{0}\right)^{3}÷(\frac{1}{4}x^{3}y^{3})$$ | G🡺13$$x^{2}y^{-2}⋅y^{4}$$ |
| L🡺2$$\frac{xy^{2}⋅3yx^{-2}⋅xy^{-4}}{2x^{2}}$$ | H🡺4$$\left(-\frac{1}{3}x\right)^{2}⋅\left(3^{-1}x^{3}\right)^{-1}$$ | M🡺3$$\frac{3y^{4}}{x^{-2}y^{-1}}$$ | S🡺5$$-\frac{4x^{2}}{\left(-2x\right)^{-2}}$$ |

Table II

|  |  |  |  |
| --- | --- | --- | --- |
| 1🡺O$$\frac{32}{x^{3}y^{3}}$$ | 4🡺H$$\frac{1}{3x}$$ | 5🡺S$$-16x^{4}$$ | 2🡺L$$\frac{3}{2x^{2}y}$$ |
| 13🡺G$$x^{2}y^{2}$$ | 3🡺M$$3y^{5}x^{2}$$ | 9🡺P$$\frac{3x^{7}}{y^{3}}$$ | 6🡺D$$\frac{x^{16}}{81}$$ |
| 7🡺Q$$\frac{x^{4}y^{7}}{3} $$ | 10🡺U$$16x^{12}$$ | 8🡺N$$1$$ | 15🡺F$$2x^{13}$$ |
| 12🡺I$$-\frac{12}{x^{3}}$$ | 11🡺A$$\frac{16}{xy}$$ | 16🡺R$$\frac{16y^{2}}{x^{8}}$$ | 14🡺J$$8x^{9}y^{2}$$ |