|  |  |
| --- | --- |
| $$5x^{7}$$ | $$-7x^{5}+3x^{3}-6x+2$$ |
| $$4p^{2}-7$$ | $$4u^{2}+u+5$$ |
| $$-2t^{5}-6t^{4}+3t^{3}-5t^{2}-4t+7$$ | $$c^{7}+6c-1$$ |
| $$5x^{5}+\frac{3}{x^{2}}+4x$$ |  |
| $$8q^{2}+4\sqrt{q}+1$$ |  |
| The number in front of a variable that multiplies it. |  |
| A term that doesn’t contain a variable, so its value never changes. |  |
| A single number or variable, or numbers and variables multiplied together. | $$-5k^{4}+2k^{2}+k-2$$ |
| $$7g^{3}-2g^{2}+g+9$$ | $$5t^{3}+t^{5}-3t^{2}+7$$ |
| $$8g+4h+4$$ | $$-2x^{8}+4x^{2}-3x+4$$ |
| $$7h^{6}-4h^{4}+3h-5$$ | $$6z^{4}+2z^{3}-z^{2}$$ |
| $$-4u^{2}-u+12$$ | A letter or symbol that represents an unknown quantity |

Polynomial Match-Up Cutouts

|  |  |
| --- | --- |
| A monomial | $$5x^{7}$$ |
| A binomial | $$4p^{2}-7$$ |
| A polynomial with 6 terms | $$-2t^{5}-6t^{4}+3t^{3}-5t^{2}-4t+7$$ |
| Is not a polynomial | $$5x^{5}+\frac{3}{x^{2}}+4x$$ |
| Is not a polynomial | $$8q^{2}+4\sqrt{q}+1$$ |
| Definition of coefficient | The number in front of a variable that multiplies it. |
| Definition of constant | A term that doesn’t contain a variable, so its value never changes. |
| Definition of term | A single number or variable, or numbers and variables multiplied together. |
| A polynomial of degree 3 | $$7g^{3}-2g^{2}+g+9$$ |
| A polynomial of degree 1 | $$8g+4h+4$$ |
| A polynomial of degree 6 | $$7h^{6}-4h^{4}+3h-5$$ |
| A polynomial that contains the coefficients -4 and -1 | $$-4u^{2}-u+12$$ |
| A polynomial that contains the coefficients 3, -6 and -7 | $$-7x^{5}+3x^{3}-6x+2$$ |
| A polynomial with a constant of 5 | $$4u^{2}+u+5$$ |
| A polynomial with a constant of -1 | $$c^{7}+6c-1$$ |
| The algebra tiles that represent $2x^{2}-x+3$ |  |
| The algebra tiles that represent $-2x^{2}+x-2$ |  |
| The algebra tiles that represent $4x+2$ |  |
| The algebra tiles that represent $-4x-2$ |  |
| A polynomial containing the variable $k$ | $$-5k^{4}+2k^{2}+k-2$$ |
| A polynomial that is not in descending order | $$5t^{3}+t^{5}-3t^{2}+7$$ |
| $4x^{2}-2x^{8}+4-3x$ written in descending order | $$-2x^{8}+4x^{2}-3x+4$$ |
| A trinomial that has no constant | $$6z^{4}+2z^{3}-z^{2}$$ |
| Definition of variable | A letter or symbol that represents an unknown quantity |

ANSWER KEY