#### Study Island

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**1.**

6*x*2*y*4z4      4*x*2*y*4

What is the greatest common factor (GCF) of the monomials shown above?

|  |  |
| --- | --- |
| Bubble | **A.** 2*x*2*y*4z4 |

|  |  |
| --- | --- |
| Bubble | **B.** 2*x*2*y*4 |

|  |  |
| --- | --- |
| Bubble | **C.** 12*x*2*y*4*z*4 |

|  |  |
| --- | --- |
| Bubble | **D.** 12*x*4*y*8*z*4 |

**2.**

42*xy*2      30*x*2*y*      6*x*2*y*2

What is the greatest common factor (GCF) of the monomials shown above?

|  |  |
| --- | --- |
| Bubble | **A.** 6*x*y |

|  |  |
| --- | --- |
| Bubble | **B.** 210*x*5y5 |

|  |  |
| --- | --- |
| Bubble | **C.** 210*x*2y2 |

|  |  |
| --- | --- |
| Bubble | **D.** 6*x*2y2 |

**3.**

52*u*4*vw*      8*u*3*v*w4

What is the greatest common factor (GCF) of the monomials shown above?

|  |  |
| --- | --- |
| Bubble | **A.** 104*u*3*vw* |

|  |  |
| --- | --- |
| Bubble | **B.** 4*u*4*vw*4 |

|  |  |
| --- | --- |
| Bubble | **C.** 4*u*3*vw* |

|  |  |
| --- | --- |
| Bubble | **D.** 104*u*7*v*2*w*5 |

**4.**

49*xy*      35*x*3*y*2

What is the greatest common factor (GCF) of the monomials shown above?

|  |  |
| --- | --- |
| Bubble | **A.** 7*x*3*y*2 |

|  |  |
| --- | --- |
| Bubble | **B.** 245*x*3*y*2 |

|  |  |
| --- | --- |
| Bubble | **C.** 7*x*y |

|  |  |
| --- | --- |
| Bubble | **D.** 245*x*4*y*3 |

**5.**

78*x*4*yz*4      30*x*4*y*4*z*

What is the greatest common factor (GCF) of the monomials shown above?

|  |  |
| --- | --- |
| Bubble | **A.** 6*x*4*y*4*z*4 |

|  |  |
| --- | --- |
| Bubble | **B.** 390*x*8*y*5*z*5 |

|  |  |
| --- | --- |
| Bubble | **C.** 390*x*4*y*4*z*4 |

|  |  |
| --- | --- |
| Bubble | **D.** 6*x*4*yz* |