Practice Questions for the 2023 Decathlon
Math: (6th, 7th & 8th Grade)

1. Determine the sum $-46.38 + (-24.6)$.

    a.   70.98
    b.   −70.98
    c.   −21.78
    d.   −48.84

2.

How many vertices, edges, and faces does the following pyramid have?

    a.   5 vertices, 10 edges, 6 faces
    b.   5 vertices, 6 edges, 10 faces
    c.   6 vertices, 10 edges, 6 faces
    d.   6 vertices, 6 edges, 10 faces

3. Which number is not an integer?

    a.   −7
    b.   4
    c. $\dfrac{1}{2}$
    d.   0

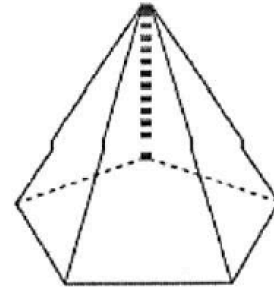**4.** What are the common factors of 32 and 28?

    a.   1, 2, and 4
    b.   1, 2, 4, and 7
    c.   1, 2, 4, and 8
    d.   1, 2, 4, 7, 8, 14, 16, 28, and 32

5. Which of the following is a prime number?

    a.   7
    b.   8
    c.   9
    d.   10