2-22. BLOCK IT

    a. The blue rhombus is 2 units of area. The red trapezoid is 3 units of area. The yellow hexagon is 6 units of area.

    b. The green triangle is $\frac{1}{2}$ unit of area. The red trapezoid is $1\frac{1}{2}$ units of area. The yellow hexagon is 3 units of area.

    c. The green triangle is $\frac{1}{3}$ unit of area. The blue rhombus is $\frac{2}{3}$ units of area. The yellow hexagon is 2 units of area.

    d. The green triangle is $\frac{1}{6}$ unit of area. The blue rhombus is $\frac{1}{3}$ unit of area. The red trapezoid is $\frac{1}{2}$ unit of area.

    e. **Additional Challenge:**

        i. Possible shapes could have a red trapezoid and a blue rhombus, or five green triangles, or a red trapezoid and two green triangles, or a blue rhombus and three green triangles.

        ii. $\frac{1}{4} + \frac{1}{8} + \frac{6}{8} + \frac{3}{8} = 1\frac{1}{2}$ units