MathFLIX CHALLENGE
Surface Area & Volume
Decomposing Rectangular Solids

The rectangular solid on the right is decomposed to illustrate the formulas for volume and surface area:

**Surface Area** = 2(lw) + 2( lh) + 2(wh)
Surface Area = 2(20) + 2(5) + 2(4) = 58

**Volume** = lwh
Volume = 4 × 5 × 1 = 20

Use these formulas to calculate the volume and surface area of the rectangular solids pictured below.

A.

![Diagram A]

Volume = lwh
Volume = _____

Surface area = _____

B.

![Diagram B]

Volume = lwh
Volume = _____

Surface area = _____

C.

![Diagram C]

Volume = lwh
Volume = _____

Surface area = _____