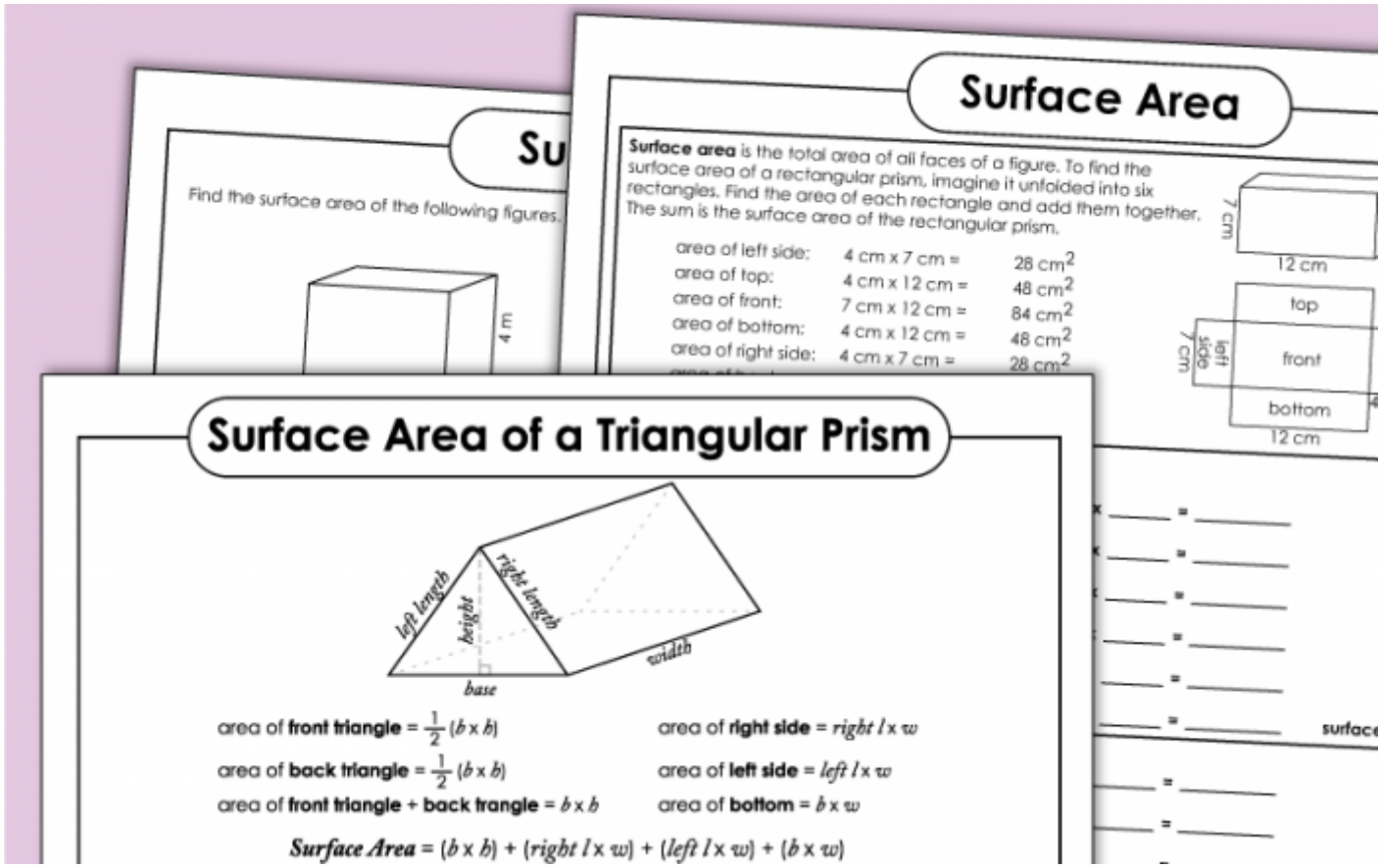
Surface Area
Surface area is the total area of all faces of a figure. To find the surface area of a rectangular prism, imagine it unfolded into six rectangles. Find the area of each rectangle and add them together. The sum is the surface area of the rectangular prism.
area of left side: 4 cm x 7 cm = 28 cm2
area of top: 4 cm x 12 cm = 48 cm2
area of front: 7 cm x 12 cm = 84 cm2
area of bottom: 4 cm x 12 cm = 48 cm2
area of right side: 4 cm x 7 cm = 28 cm2
7 cm
12 cm
top
left side
front
bottom
7 cm
12 cm
Find the surface area of the following figures.
4 m
Surface Area of a Triangular Prism
left length
height
right length
width
base
area of front triangle = 1/2 (b x h)
area of back triangle = 1/2 (b x h)
area of front triangle + back trangle = b x h
area of right side = right l x w
area of left side = left l x w
area of bottom = b x w
Surface Area = (b x h) + (right l x w) + (left l x w) + (b x w)