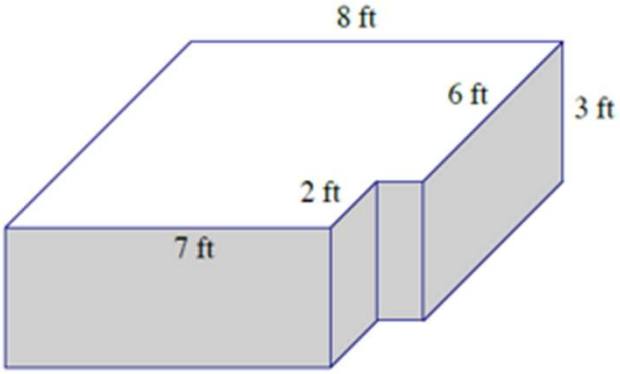
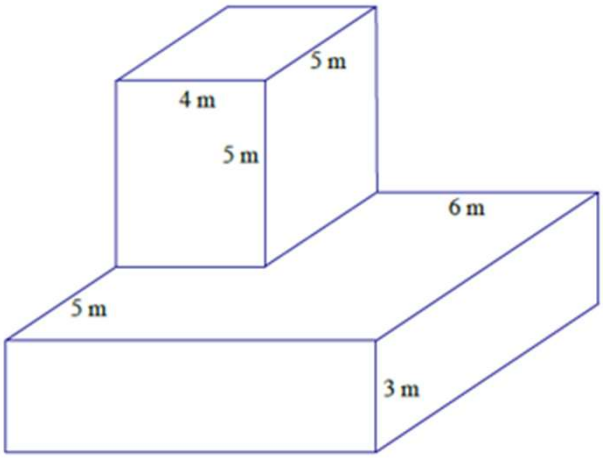
Surface Area Worksheets

Determine the surface area of the right prisms.





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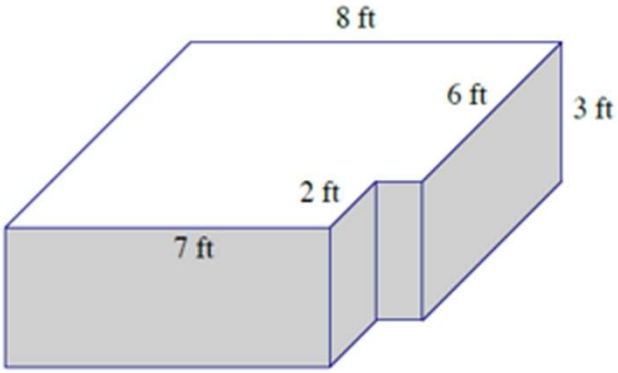


Area of top and bottom: $2((8\text{ ft.} \times 6\text{ ft.}) + (7\text{ ft.} \times 2\text{ ft.}))$
$= 2(48\text{ ft}^2 + 14\text{ ft}^2)$
$= 2(62\text{ ft}^2) = 124\text{ ft}^2$

Area for back: $8\text{ ft.} \times 3\text{ ft.} = 24\text{ ft}^2$

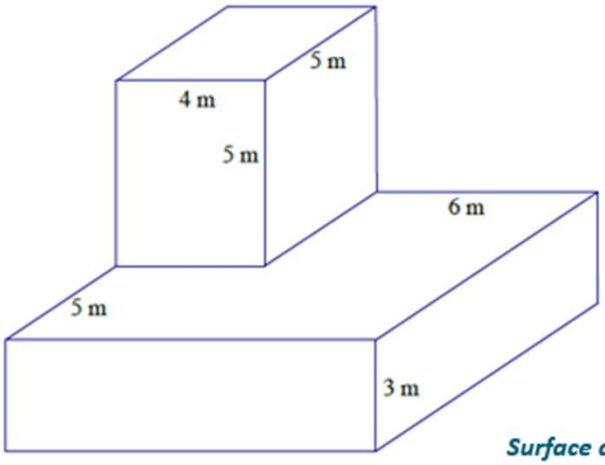
Area for front: $7\text{ ft.} \times 3\text{ ft.} = 21\text{ ft}^2$

Area of corner cutout: $(2\text{ ft.} \times 3\text{ ft.}) + (1\text{ ft.} \times 3\text{ ft.}) = 9\text{ ft}^2$

Area of right side: $6\text{ ft.} \times 3\text{ ft.} = 18\text{ ft}^2$

Area of left side: $8\text{ ft.} \times 3\text{ ft.} = 24\text{ ft}^2$

Surface area: $124\ ft^2 + 24\ ft^2 + 21\ ft^2 + 9\ ft^2 + 18\ ft^2 + 24\ ft^2 = 220\ ft^2$



Surface area of top prism:

Area of top: $4\text{ m} \times 5\text{ m} = 20\text{ m}^2$

Area of front and back sides: $2(4\text{ m} \times 5\text{ m}) = 40\text{ m}^2$

Area of left and right sides: $2(5\text{ m} \times 5\text{ m}) = 50\text{ m}^2$

Total surface area of top prism: $20\text{ m}^2 + 40\text{ m}^2 + 50\text{ m}^2 = 110\text{ m}^2$

Surface area of bottom prism:

Area of top: $10\text{ m} \times 10\text{ m} - 20\text{ m}^2 = 80\text{ m}^2$

Area of bottom: $10\text{ m} \times 10\text{ m} = 100\text{ m}^2$

Area of front and back sides: $2(10\text{ m} \times 3\text{ m}) = 60\text{ m}^2$

Area of left and right sides: $2(10\text{ m} \times 3\text{ m}) = 60\text{ m}^2$

Total surface area of bottom prism: $80\text{ m}^2 + 100\text{ m}^2 + 60\text{ m}^2 + 60\text{ m}^2 = 300\text{ m}^2$

Surface area: $110\ m^2 + 300\ m^2 = 410\ m^2$

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