Surface Area Worksheets
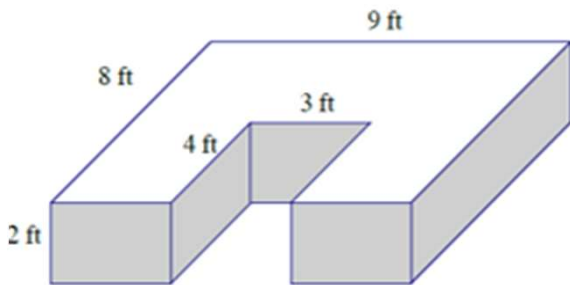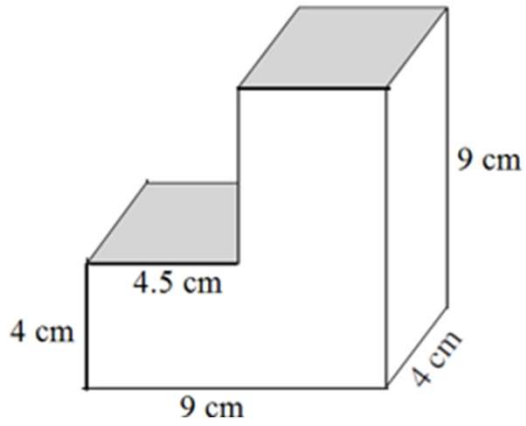
Determine the surface area of the right prisms.

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Surface Area Worksheets

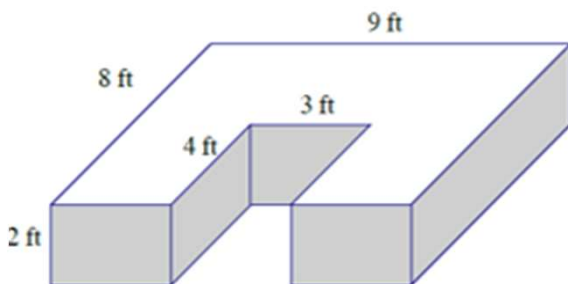Determine the surface area of the right prisms.
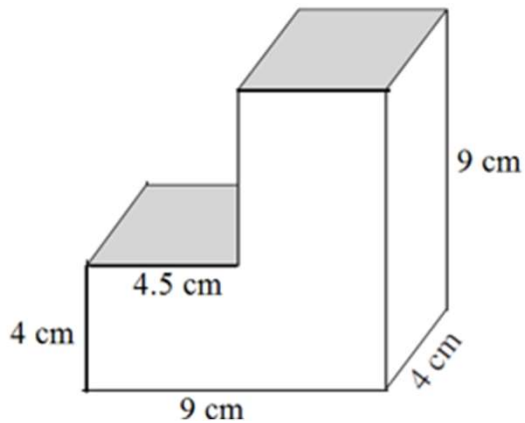
Area of top and bottom: $2(9 \text{ cm} \times 4 \text{ cm}) = 72 \text{ cm}^2$

Area of left and right sides: $2(4 \text{ cm} \times 9 \text{ cm}) = 72 \text{ cm}^2$

Area of front and back: $2(9 \text{ cm} \times 4 \text{ cm}) + 2(4.5 \text{ cm} \times 5 \text{ cm})$
$= 117 \text{ cm}^2$

Surface area: $72 \text{ cm}^2 + 72 \text{ cm}^2 + 117 \text{ cm}^2 = 261 \text{ cm}^2$

Area of front and back: $2(9 \text{ ft.} \times 2 \text{ ft.}) = 36 \text{ ft}^2$

Area of sides: $2(8 \text{ ft.} \times 2 \text{ ft.}) = 32 \text{ ft}^2$

Area of top and bottom: $2(9 \text{ ft.} \times 8 \text{ ft.}) - 2(4 \text{ ft.} \times 3 \text{ ft.})$
$= 144 \text{ ft}^2 - 24 \text{ ft}^2$
$= 120 \text{ ft}^2$

Area of interior sides: $2(4 \text{ ft.} \times 2 \text{ ft.}) = 16 \text{ ft}^2$

Surface area: $36 \text{ ft}^2 + 32 \text{ ft}^2 + 120 \text{ ft}^2 + 16 \text{ ft}^2 = 204 \text{ ft}^2$

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