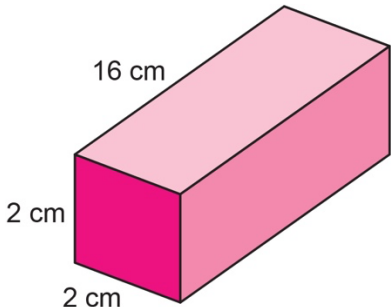
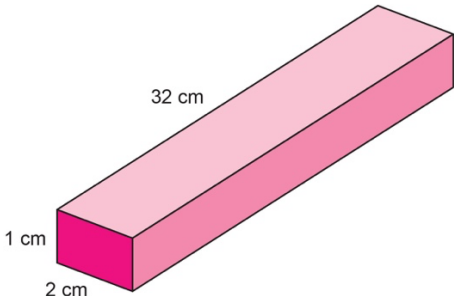
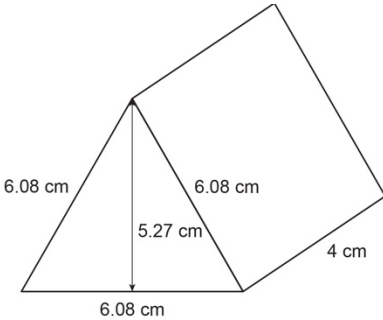
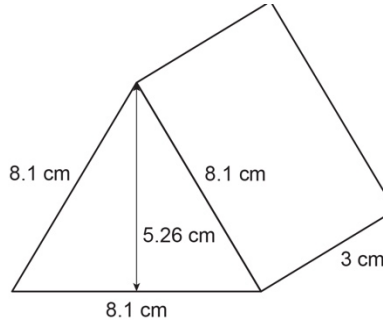
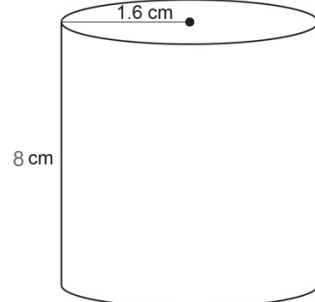
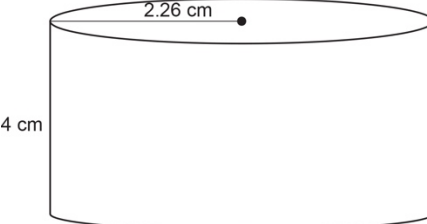


Answers: Which choc-ice design gives you the LEAST chocolate coating (surface area)?

Amount of ice-cream must be 64 cm^3 .

Explore cuboid 1 	Cuboid 1 Volume = 64 cm^3 Cuboid 1 SA = 136 cm^2	Explore cuboid 2 	Cuboid 2 Volume = 64 cm^3 Cuboid 2 SA = 196 cm^2
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Explore cuboid 3 Sketch another cuboid	Possibilities: $1 \times 1 \times 64$ Cuboid 3 Volume = 64 cm^3 Cuboid 3 SA = 258 cm^2 Possibilities: $2 \times 4 \times 8$ Cuboid 3 Volume = 64 cm^3 Cuboid 3 SA = 112 cm^2	Explore cuboid 4 Sketch another cuboid	Possibilities: $4 \times 4 \times 4$ Cuboid 3 Volume = 64 cm^3 Cuboid 3 SA = 96 cm^2 LOWEST FOR CUBOID
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Explore triangular prism 1 	Triangular prism 1 Volume = 64 cm^3 Triangular prism 1 SA = $105. \text{cm}^2$	Explore triangular prism 2 	Triangular prism 2 Volume = 64 cm^3 Triangular prism 2 SA = 115.5cm^2
Explore cylinder 1 	Cylinder 1 Volume = 64 cm^3 Cylinder 1 SA = 96.46cm^2	Explore cylinder 2 	Cylinder 2 Volume = 64 cm^3 Cylinder 2 SA = 88.85cm^2 LOWEST OVERALL