Name Soll Sol	Z
Mr. Schlansky	

Date	
Geometry	

Surface Area

1. Mrs. Ayer is painting the outside of her son's toy	box, including the top and bottom. The toy box
measures 3 feet long, 1.5 feet wide, and 2 feet high.	What is the total surface area she will paint?
1) 9.0 ft ²	22.5 ft ² 5Ao2lw/2hw/2lh W=
2) 13 5 42	27002

2) 13.5 ft²

27.0 ft²

Shell(1) | 2(3)(15) + 2(3)(1

- 1) 18
- 2) 24
- 3) 26
- 4) 52

2(2)(3) 12(4)(5) 12(2)(4)

1714 (C)(4) W= 1

3. Carlos is preparing to sculpt a large rectangular block of stone.



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What is the surface area of this prism?

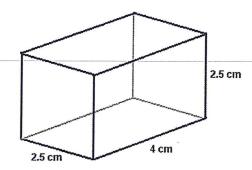
432 H

4. What is the surface area of the rectangular solid shown in the diagram?

- 1. 45 cm^3
- 2. 22.5 cm²

3. 52.5 cm²

4. 90 cm²



2(25)(4) + 2(25)(25) + 2(4)(25)

5. What is the surface area of a box whose dimensions are 3 cm by 8 cm by 7 cm?	
2(3)(8)+2(3)(7)+2(8/7)	
202 (m²	
6. Dave wants to wrap a Blu Ray player for his girlfriend for Christmas. The dimensions of the box are 12 in by 14 in by 4 in. How much wrapping paper does Dave need?	
2(12(14) +2(14)(4) +2(14)(4) 544 in	
7. A gallon of paint will cover approximately 450 square feet. An artist wants to paint all the outside surfaces of a cube measuring 12 feet on each edge. What is the <i>least</i> number of gallons of paint he must buy to paint the cube? 1) 1 2(12)(11) + 2(12)(12) + 2(12)(12) 3) 3 4) 4	
Calculate the surface area of the accompanying prism.	
1047 1-2(3)(4) 1-2(4)(3) SO Units 3h	
0. What is the vislams of a sylinder values height is 12 inches and values dismotor is 20 inches in terms of	

9. What is the volume of a cylinder whose height is 12 inches and whose diameter is 20 inches in terms of π ?

