

NAME

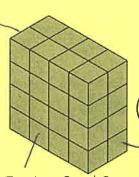
PERIOD

Unit 1, Lesson 12

Practice Problems

1. What is the surface area of this rectangular prism?

Topt Bottom Bun² each



- A. 16 square units
- B. 32 square units
- C. 48 square units
- (D) 64 square units

- 2 Ends 84n² each

Top+Bottom 164n²
Two Ends 164n²
Front/Back 324n²
64 un²

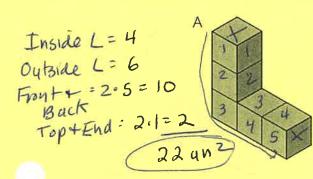
Front + Back 16 uh 2 each all surfaces visible and hidden

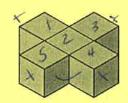
- 2. Which description can represent the surface area of this trunk?
 - A. The number of square inches that cover the top of the trunk.
- B The number of square feet that cover all the outside faces of the trunk.
 - C. The number of square inches of horizontal surface inside the trunk.
 - D. The number of cubic feet that can be packed inside the trunk.

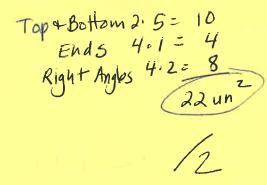


3. Which figure has a greater surface area?

They are equal







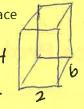
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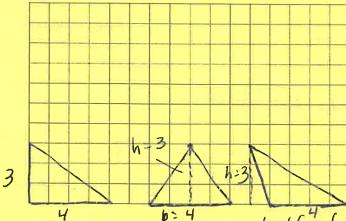
PERIOD

4. A rectangular prism is 4 units high, 2 units wide, and 6 units long. What is its surface area in square units? Explain or show your reasoning.

Top +Bo Hown $2 \times (2 \times 6) = 24$ Fron ++ Back $2 \times (2 \times 4) = 16$ 2 Sides $2 \times (6 \times 4) = \frac{48}{88}$ But in



5. Draw an example of each of the following triangles on the grid.



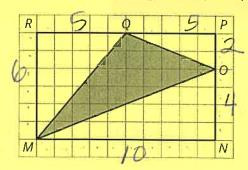
a. A right triangle with an area of 6 square units. - half of 12 2.6 or 3.4 or 1.12

b. An acute triangle with an area of 6 square units. - half of 12

c. An obtuse triangle with an area of 6 square units. half of 12

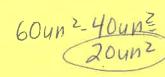


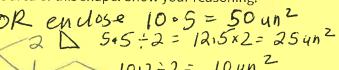
6. Find the area of triangle MOQ in square units. Show your reasoning.

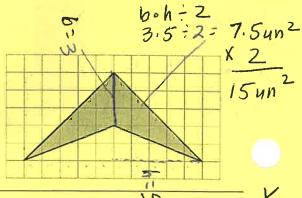


inits. Show your reasoning.

Whole $10.6 = 60 \text{ un}^2$ Whole $10.6 = 60 \text{ un}^2$ Subtract $5.2 = 5 \text{ un}^2$ $10.4 = 2 = 20 \text{ un}^2$ 40 un^2 $60 \text{ un}^2 - 40 \text{ un}^2$ 20 un^2







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