Warm Up Grade 8



May 12, 2016

Assessment Review



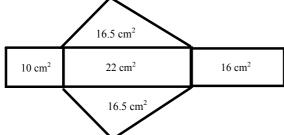
1. Leah has 3/4 of a large pizza. She gave 1/3 of what she had to Jessie. What fraction of the whole pizza does Jessie receive? What fraction of the whole pizza does Leah have left?

Mental Math



4.

5.



Find the surface area by adding the areas of all faces

$$SA = 10 + 22 + 16 + 16.5 + 16.5$$

$$= 43 + 33 \quad or 10$$

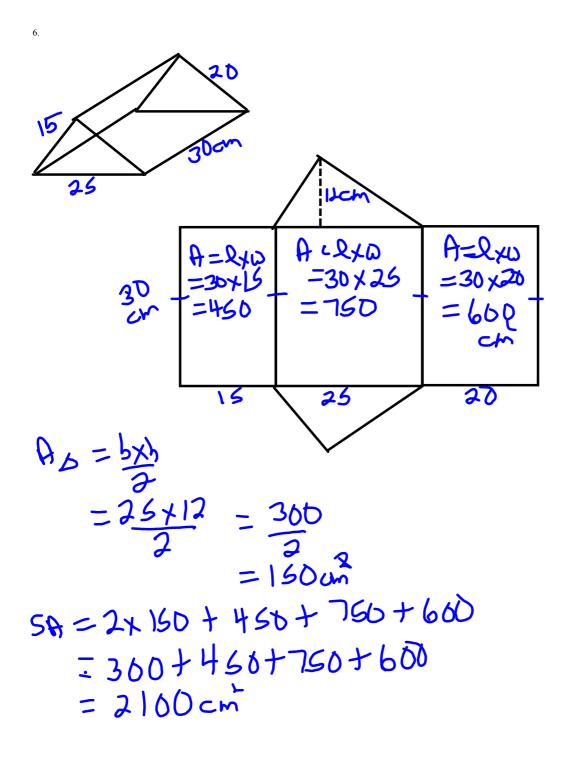
$$= 81 \quad = 4$$

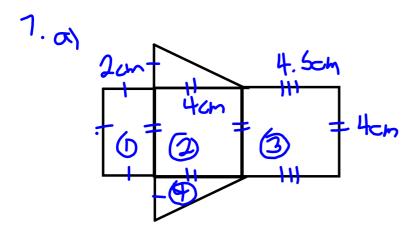
$$0 - 10 + 20 + 16 + 2 \times 16.5$$

= 48+33
= 81

The bases of any prism are congruent and share the same area

The rectangles on the sides are congruent (since the lengths of the 2 sides in the triangle are the same).





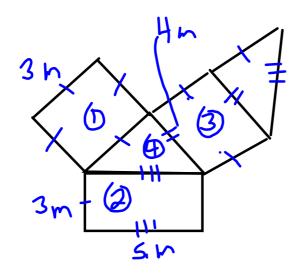
$$A_{3} = 1 \times 0$$

= 4.5 \times 4
= 18 cm^{2}

$$54=2\times4+8+16+18$$

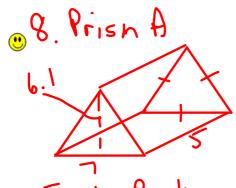
= $8+8+16+18$
= 50cm^2

761

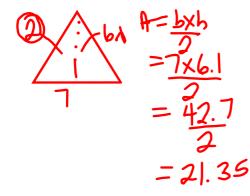


$$59 \pm 2 \times 6 + 9 + 15 + 12$$

= $12 + 9 + 15 + 12$
= 48 m^2



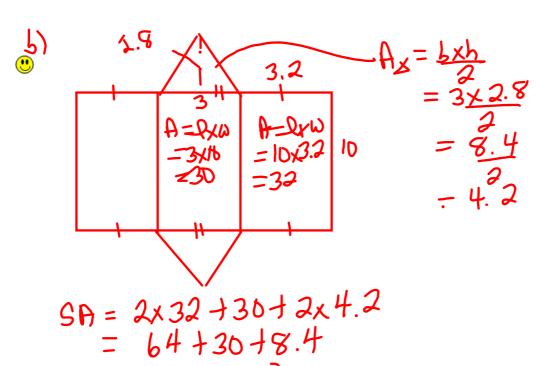
Fron. L& Back

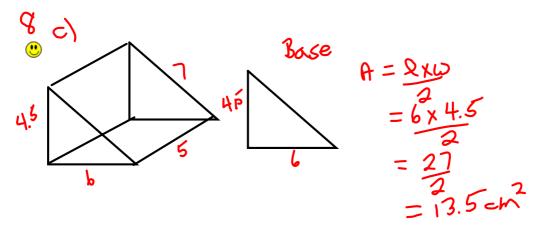


$$SA = 2 \times 21.3 S + 3 \times 35$$

= 42.7 + 105
= 147.7 cm²

 $= 102.2 \, \mathrm{cn}^2$



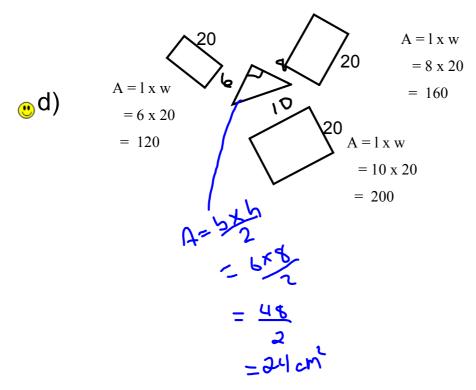


Sides

$$A = 1 \times w$$
 $A = 1 \times w$ $A = 1 \times w$
= 6×5 = 5×4.5 = 7×5
= 30 = 22.5 = 35

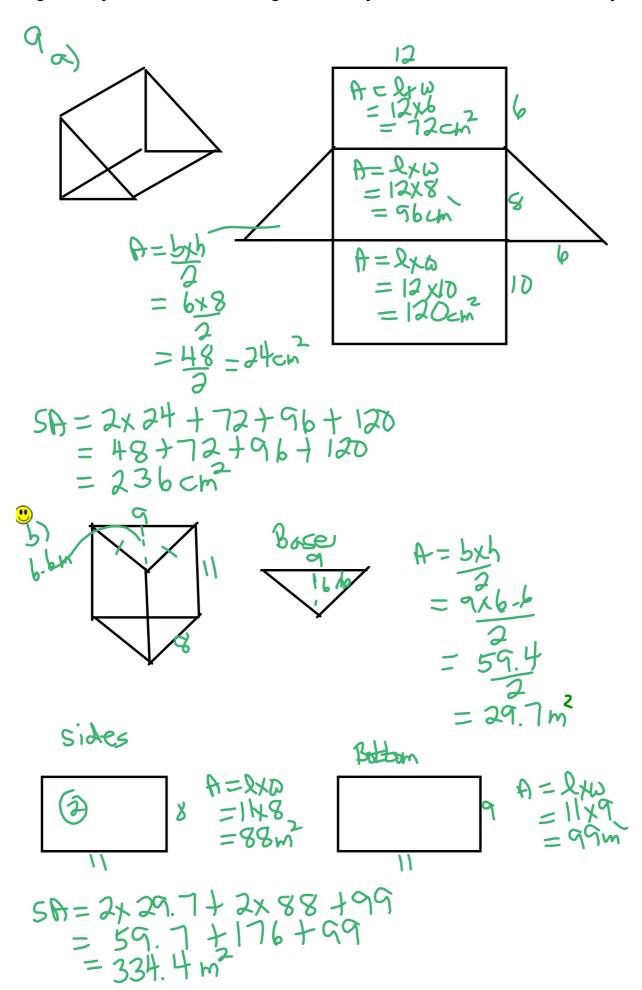
Total SA =
$$2(13.5) + 30 + 22.5 + 35$$

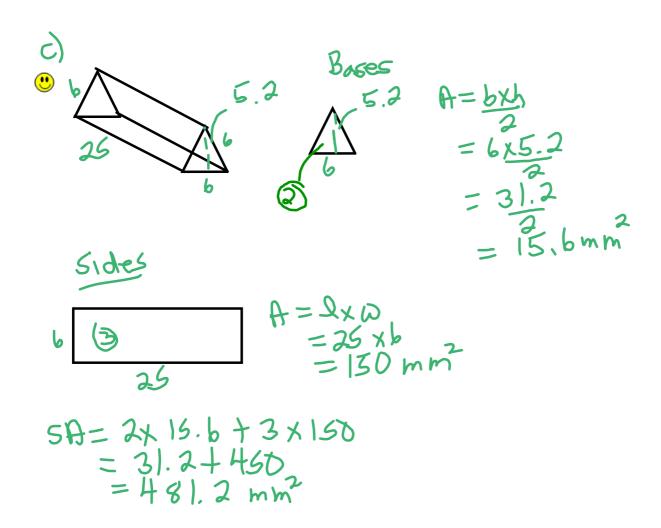
= $27 + 30 + 22.5 + 35$
= 114.5 cm^2



Total SA =
$$2(24) + 120 + 160 + 200$$

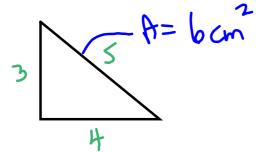
= $48 + 120 + 160 + 200$
= 528 cm^2





10.

$$A = 5 \times 10$$

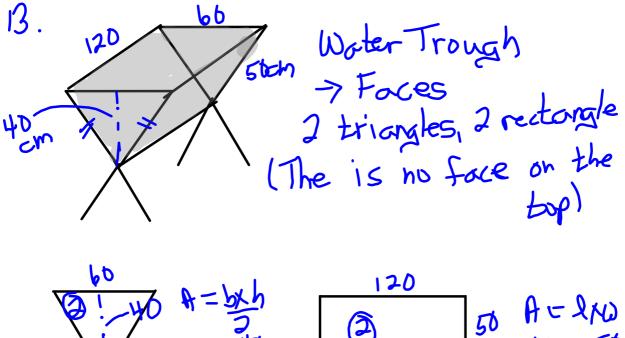


The dimension of the triangle are:

base 4 cm, height-3 cm (other 5 cm)

and the height of the prism

15 10 cm



Area of metal = 2x 1200 + 2x 6000 = 2400 + 12 god = 14 400 cm This right triangular prism is a door stop and needs to be covered in tar on the outside faces. What is the surface area to

be covered?

14 cm 10 cm

18 cm

18 cm $A = \frac{14 \times 9}{280}$ $A = \frac{14 \times 9}{2}$ $A = \frac{14 \times 9}{2}$ A



Sheet

Extra Practice 4.4 SA of Triangular Prism

Quiz Tomorrow???

Extra Practice 4 – Master 4.39 Lesson 4.4

- 1. a) 408 cm² b) 672 cm² c) 97.5 cm² 2. 104 cm² 3. 441.4 cm²
- 441.4 cm²
 Right triangle

 840 mm²
 1740 mm²

Review of Surface area of 2D Shape Grade 8 Unit 4 PDF.pdf
Surface Area of Prisms WS Review PDF.pdf
Extra Practice 2 Unit 4.4.pdf