

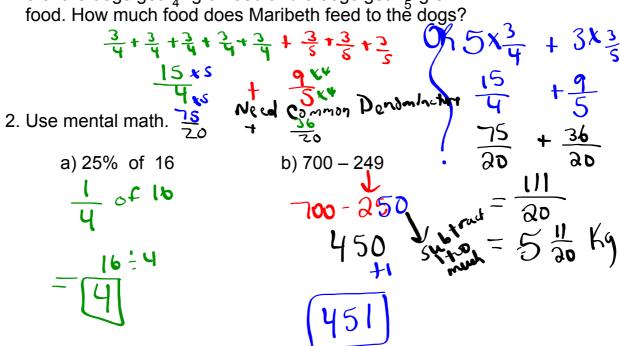
Warm Up Grade 8

May 10, 2016



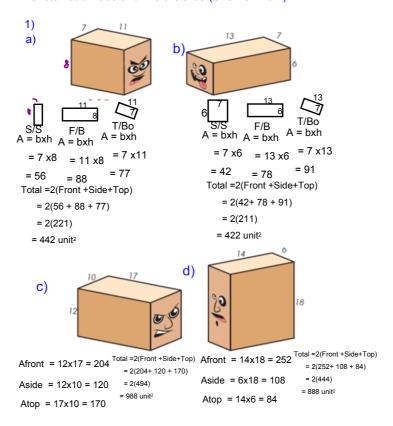
Assessment Review

1. Maribeth works in a dog rescue centre. At feeding time, 5 of the dogs get $\frac{3}{4}$ kg of food and 3 dogs get $\frac{3}{5}$ kg of food. How much food does Maribeth feed to the dogs?



More

Sketch each face and find the area (Show all work)



2) Find the surface area of a right rectangular prism with these dimensions.

```
a) 12 m by 10 m by 13 m

A = bxh

= 12 x 10

= 12 x 13

= 13 x 10

= 120 m<sup>2</sup>

= 156 m<sup>2</sup>

= 130m<sup>2</sup>

b) 5 cm by 7 cm by 9 cm

A = 5x7

A = 7x9

= 35cm<sup>2</sup>

= 63cm<sup>2</sup>

A = 5x9

= 45cm<sup>2</sup>

Total = 2(Front + Side + Top)

= 2(120 + 156 + 130)

= 2(406)

= 812 m<sup>2</sup>

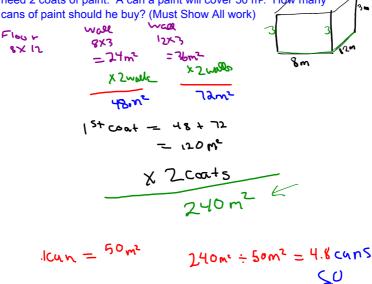
= 130m<sup>2</sup>

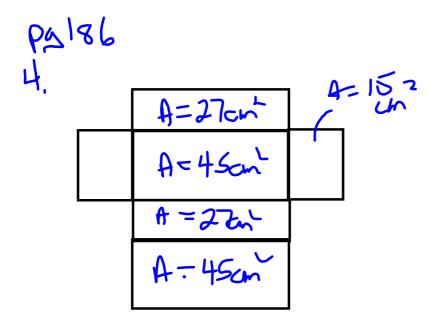
A = 5x9

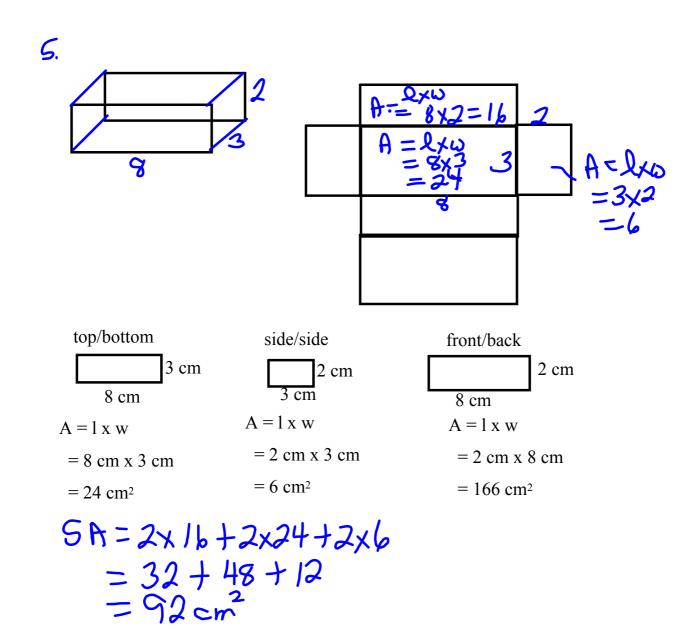
= 35cm<sup>2</sup>

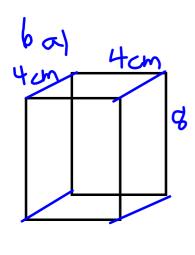
=
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3) Jim is painting the 4 walls of a classroom. The room measures the following 8 m wide by 12 m long and 3 m high. The walls need 2 coats of paint. A can a paint will cover 50 m². How many cans of paint should he buy? (Must Show All work)





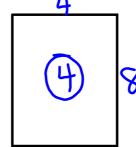




$$A = 1 \times \omega$$

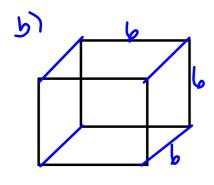
$$= 4 \times y$$

$$= 16 \text{cm}^2$$

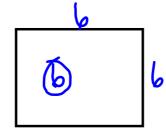


$$5A = 2 \times 16 + 4 \times 32$$

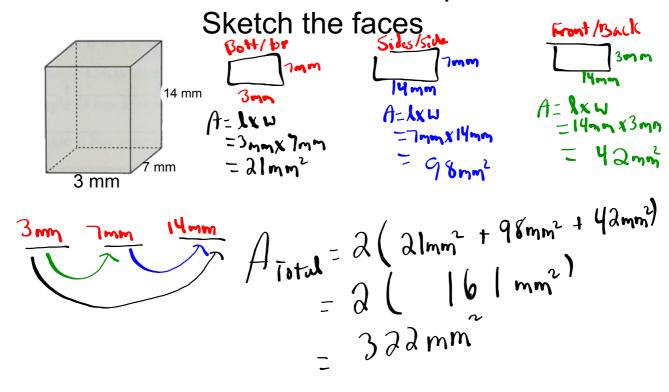
= $32 + 128$
= 160 cm^2



Cube - All faces the same

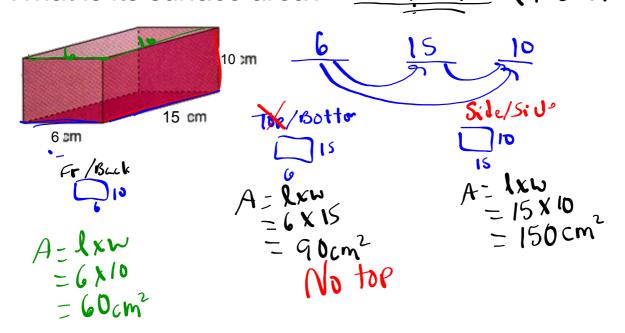


What is the surface area of this prism?



Sketch a net of this right rectangular prism.

What is its surface area? Fishtank (Notor



$$A_{\text{Total}} = 2 \left(\text{side} + \text{Front} \right) + \text{Bottom} \\ = 2 \left(150 + 60 \right) + 90 \\ = 2 \left(210 \right) + 90 \\ + 90 \\ + 40 \\ +$$

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already did???

#60, #7a,b, #9, #10, #11, #12, #13

Worksheet

3a S.A. of cube = 150 cm² = 6x Area. = 6x Agen

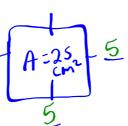
Aren of Iface = 150cm² : 6

= 25cm

= 25cm

s:

A=252 5



Review of Surface area of 2D Shape Grade 8 Unit 4 PDF.pdf Extra Practice 2 Unit 4.3.docx