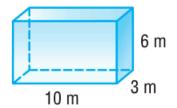


Got It? Do these problems to find out.

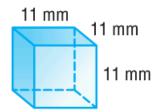
Find the surface area of each rectangular prism.

a.



b.

8m)



Top 8 = 2(3.10) = 6 faces that are Bottom: 60m² the same size

Front \$ 2(6.10) = 6 (11.11) = 120 m²

Domingo built a toy box 60 inches long, 24 inches wide, and 36 inches high. He has 1 quart of paint that covers about 87 square feet of surface. Does he have enough to paint the toy box? Justify your answer.

1) Draw & label net

@ Build table of values for area

3) total values in table

4) Compare total SA. to the area the git. of paint overs.

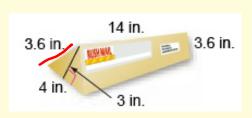
Got It? Do this problem to find out.

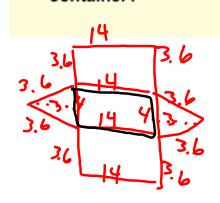
c. The largest corrugated cardboard box ever constructed measured about 23 feet long, 9 feet high, and 8 feet wide. Would 950 square feet of paper be enough to cover the box? Justify your answer.

TOP/Botton =
$$2(9.23) = 414$$

Front/Back = $2(8.23) = 348$
Sides = $2(8.9) = 144$
 $950 > 926$ is we have enough cardboard.

3. Marty is mailing his aunt the package shown. How much cardboard is used to create the shipping container?





stanted stanted rectangles=
$$2(14.3.6) = 100.8$$

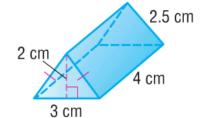
bottom rectangle = $14.4 = 56$

Triangles = $2(4.3) + 12+$

equiv (16.8)

Got It? Do this problem to find out.

d. Find the surface area of the triangular prism.



Slanted rectangles =
$$\lambda (4.3.5) = 20$$

bottom rectangle = $1(4.3) = 12$
rectangle = $\lambda(3.3) = 12$
triangles = $\lambda(3.3) = 6$

