

Sore Dancers

1. 125

2. 53

3. 138.5

4. 28.8

5. 56.8

6. 114.3

7. 1046.31

8. 0.005

Notes April 27

Jimmy has a Sea Can.
 It is a rectangular prism
 Length = 14' Width = 8' height = 8'
 He wants to paint it. A
 can of paint covers 80 sq ft.
 and cost \$8.99. How much
 will it cost to paint with
 2 coats of paint.

Is this Surface Area or
 Volume?

Surface Area.

Find SA for Rectangle Prism.

$$SA = 2lw + 2lh + 2wh$$

$$2 \cdot 14 \cdot 8 + 2 \cdot 14 \cdot 8 + 2 \cdot 8 \cdot 8$$

$$SA = 576 \times 2$$

$$\text{Total SA} = \frac{1152}{80}$$

$$14.4 \text{ cans needed}$$

15 cans need
to be bought

$$\text{Cost} = 15 \times 8.99$$

$$= \$134.85$$