

Measurement Word Problems

Therefore
diagram

All word problems need to have a USE A RULER statement.

They must also always include the length when working with measurement.

$\therefore$ The length is 12 cm and the width is 6 cm

$W = \frac{12}{2} = 6 \text{ cm}$

24) Suppose that the perimeter of a rectangle is 36 cm and the length is twice the width. What are the dimensions of this rectangle and what is the area?

$P = 36 \text{ cm}$

$P = 2l + 2w$

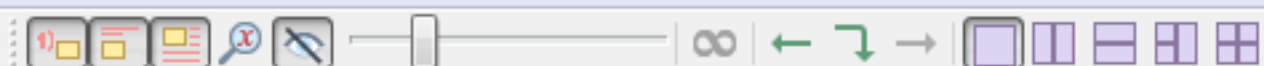
$P = 2l + l$

$P = 3l$

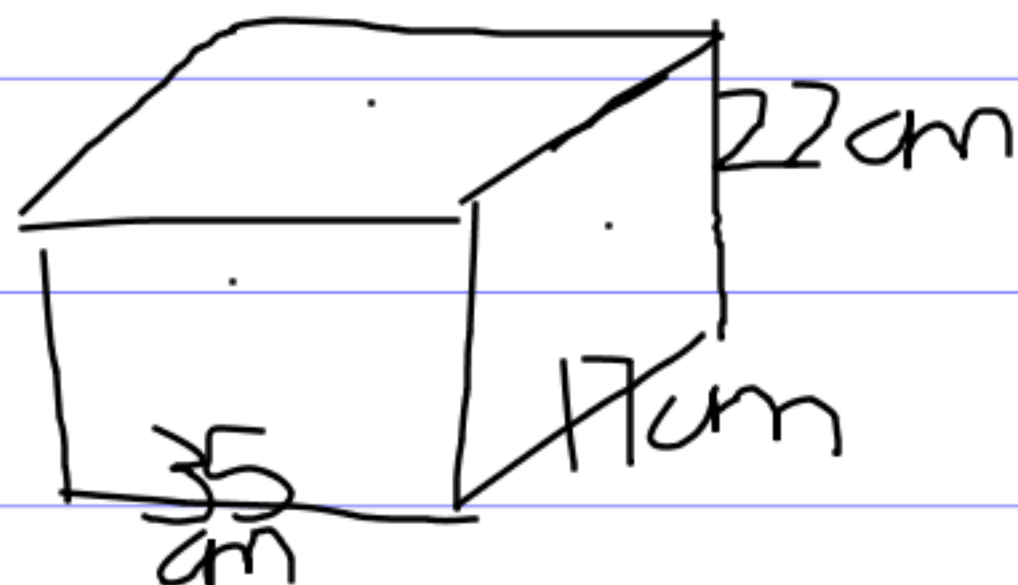
$36 = 3l$

$l = 12 \text{ cm}$

$w = 6 \text{ cm}$



25) ~~Danny's new fish tank~~ measures 35cm long, 17cm wide, and 22cm high. What is its surface area?



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

$$SA = 2 \left[(17)(22) + (35)(17) + (35)(22) \right]$$

$$SA = 2 [374 + 595 + 770]$$

The surf^r is 3178cm²

$$SA = 2(1729)$$

$$SA = 3458 \text{ cm}^2$$

Homework - Complete 4 of the 6 word problems