

## Pg 326 Example 1

Measure the sides, draw it the same on grid paper. Then calculate the reduction and draw the new image on the grid paper as well.

Remember with reductions the scale factor will be less than 1

original  $\times$  scale = new

$$0.077 \text{ m}$$

$\times 100$  to change to cm

$$7.7 \text{ cm}$$

Ex 2 pg 328

Truck length = 4m

Front and back wheels are 3.85m apart

$$\text{Scale } \frac{1}{50} = 0.02$$

Diagram wheels should be  $3.85 \times 0.02$   
 $= 0.077 \text{ m}$

As Yasmine's puppy grows, she can feed her more food. She feeds her puppy 1 cup of protein mixed with half a cup of formula. If she increases the protein to 1.5 cups, how much formula must she mix it with?

$$\frac{\text{PROTEIN}}{\text{New}} = \frac{\text{FORMULA}}{\text{original}}$$

$$\frac{1.5}{1} = \frac{x}{0.5}$$

$$0.5(1.5) = \left(\frac{x}{0.5}\right)0.5$$

$$0.75 = x$$

0.75 cups

$$\frac{75}{100} \div 25 = \frac{3}{4} \text{ cups}$$

$\frac{3}{4}$  cup

Practice P. 329 - 331

# 5, 6, 7, 9, 11, 13