

Question # 1

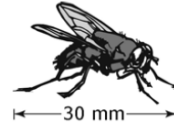
Calculate the actual length of the image:

The scale factor used for the reduction was 0.05



Question # 2

An enlargement of an image is shown below. Calculate the length of the original image to the nearest tenth if the scale factor is 3.3



Question # 3

Determine the scale factor

$$\square = \frac{53}{106}$$

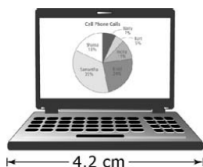
Question # 4

Determine the scale factor

$$\square = \frac{6.2}{24.8}$$

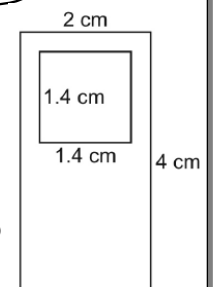
Question # 5

An actual laptop has a width of 39.5 cm. Calculate the scale factor used in the image of the laptop. Express the answer to the nearest tenth.



Question # 6

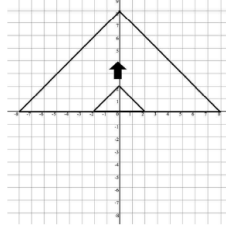
The following is a model of an mp3 player. What would be the perimeter of a scale drawing of this mp3 player if you used a scale factor of 2.5?
($P = \text{side} + \text{side} + \text{side} + \text{side}$)



Question # 7

Identify the scale factor for the following diagram.

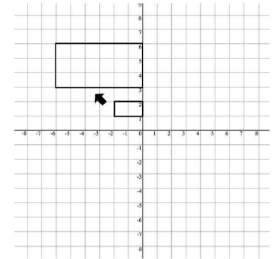
(Note which way the arrow is pointing!)



Question # 8

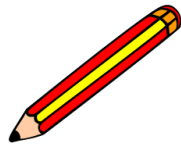
Identify the scale factor of the following diagram.

(Note which way the arrow is pointing!)



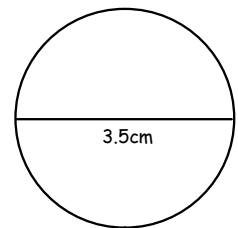
Question # 9

The actual length of a pencil is 12cm. The length of the pencil on a scale diagram is 18cm. What is the scale factor of the diagram?



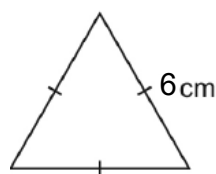
Question # 10

If the following circle was enlarged with a scale factor of 5.8, what would be the circumference of the circle in the scale diagram? ($C = \pi d$)



Question # 11

What would be the side length of a scale diagram of the following equilateral triangle if a scale factor of $5/6$ is used?



Question # 12

The dimensions of a photo of a mountain bike are 15cm by 12cm. An enlargement is to be made for a poster with dimensions 4.0cm by 3.2cm. What is the scale factor of the poster to the nearest tenth?

