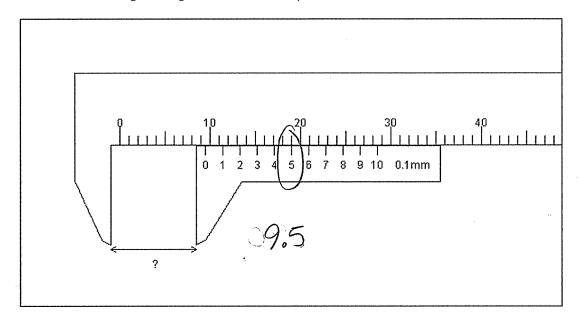
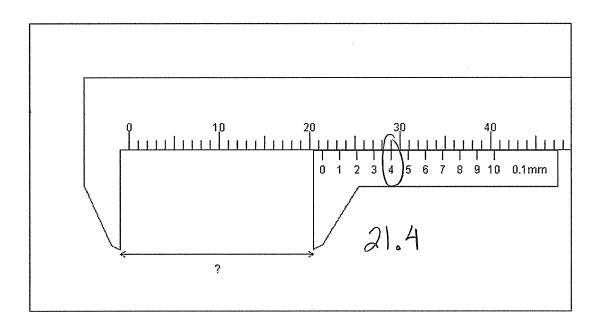
1. What is the following reading on the vernier calipers below:





- 2. Convert the following measurements:
  - a) 5 ft. 10 in. to centimetres Put 5 ft 10 in into "inches" 5ft x 12in = 60in. > 5ft 10in = 60in+10in = 70in.

b) 3 km to the nearest yards

c) 2500 mm to feet and the nearest inch

3. A football field is 110 yards long measured from goal post to goal post. A rugby field is 100 m long. Which field is longer? Justify your answer.

4. The doorway to Sam's office is 2 feet 8 inches wide. He wishes to purchase a desk 75 cm wide. Can the desk pass through his office doorway? Justify your answer.

2ft 8 inches:  

$$2ft \times \frac{12in}{1ft} = 24in$$
  
2ft, 8in = 24+8 = 32in

2ft 8 inches:  

$$2ft \times \frac{12 \text{ in}}{1 \text{ ft}} = 24 \text{ in}$$
  
 $2ft \times \frac{12 \text{ in}}{1 \text{ ft}} = 24 \text{ in}$   
 $2ft \times \frac{12 \text{ in}}{1 \text{ ft}} = 32 \text{ in}$   
 $2ft \times \frac{12 \text{ in}}{1 \text{ ft}} = 32 \text{ in}$   
So desk will fit.

5. Jo wants to use chain link to fence her yard. She needs to fence three sides of the yard as the house (10 m wide) forms the fourth side of the yard. The back yard measures 10 m by 7 m. Chain link is sold by the foot. How many feet of chain link will she need?

total fence needed = 
$$7+10+7=24m$$
.

 $7m \frac{1}{7}m \frac{1}{7}m \frac{1}{0.3048}m$