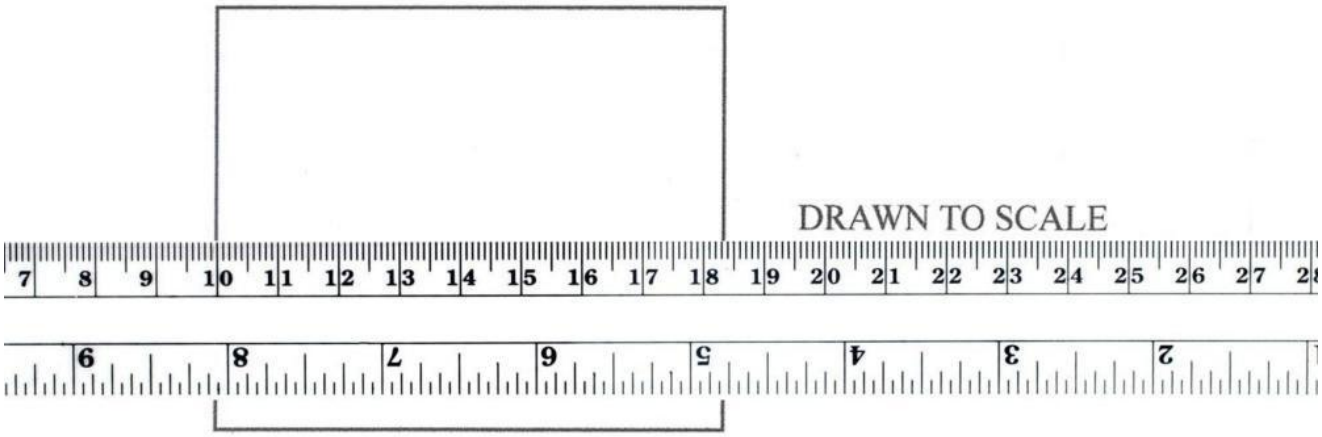
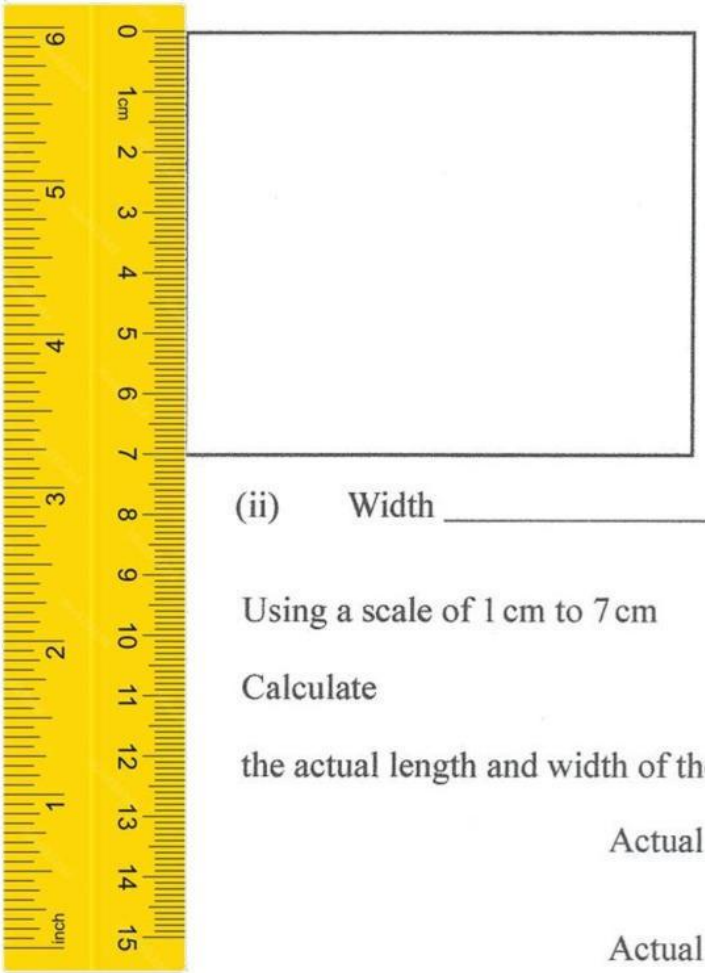
14. The diagram below represents a rectangular field drawn to scale.



(a) Measure and write down the length and width of the scaled drawing.

(i) Length _____ cm [1]



(ii) Width _____ cm [1]

Using a scale of 1 cm to 7 cm

Calculate

the actual length and width of the land.

Actual length _____ m [1]

Actual width _____ m [1]

(c) Calculate the actual perimeter of the land.

Answer: _____ m [2]

(d) Fencing is to be placed around the land. The fence is sold in lengths of 3 m. How many sections of fencing are needed?

Answer: _____ [3]

LIVEWORKSHEETS

14. Maxine earns \$12 per hour when she works a basic week of 40 hours. Overtime is paid at double time.

(a) Calculate her basic weekly pay.

Answer: _____ [2]

(b) How much is she paid for 1 hour of overtime?

Answer: _____ [1]

(c) Last week, Maxine worked a total of 56 hours.

(i) How many hours of overtime did she work?

Answer: _____ [1]

(ii) How much was her overtime pay?

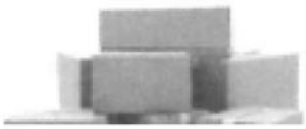
Answer: _____ [2]

(d) Calculate Maxine's total earnings when she worked 56 hours.

Answer: _____ [1]

14. The weight of 6 boxes is recorded below.

75 g, 85 g, 92 g, 56 g, 75 g, 83 g, 87 g.



(a) Determine the modal weight of the boxes.

Answer: _____ [1]

(b) Calculate,

(i) the range

Answer: _____ [1]

(ii) the median weight of the boxes

Answer: _____ [2]

LIVEWORKSHEETS

(iii) the average weight of the boxes.

Total Weight of the Boxes =

Average Weight of the Boxes =

Answer: _____ [3]

14. (i) Find the LCM of 3, 4 and 5.

Answer: _____ [2]

(ii) Evaluate $5\frac{1}{5} - 3\frac{3}{4} + 1\frac{2}{3}$

Answer: _____ [3]

14. $\mathcal{E}$ = {Natural numbers less than 12}

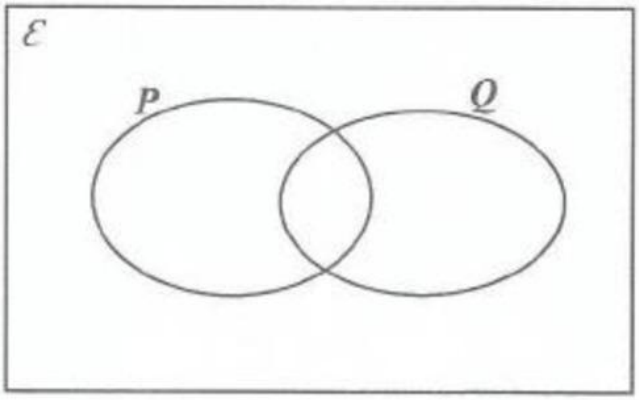
P = {multiples of 3}

Q = {2, 4, 6, 8, 10}

(a) List the members of set P.

Answer: {_____} [2]

(b) Use the Venn diagram below to fill in the given information. [4]



(c) State the members of the following

(i) $P \cap Q$ Answer: {_____} [1]

(ii) $P \cup Q$ Answer: {_____} [1]

LIVEWORKSHEETS

(iii) P' Answer: {_____} [1]

(d) State $n(Q)$ Answer: _____ [1]

14. A laptop has a cash price of \$3500.00 .

It can also be purchased on a hire purchase plan by paying 30% deposit of the cash price follow by 24 monthly payments of \$125 per month.

Hire Purchase Plan
30% of cash price

+

24 monthly payments
of \$125.00 per month

Calculate the

(a) down payment,

Answer: _____ [2]

(b) total of the monthly payments,

Answer: \$_____ [2]

(c) total cost of the laptop on the hire purchase plan,

Answer: _____ [2]

(d) saving if the laptop was bought cash.

Answer: \$_____ [2]

14. Maria is paid \$18 per hour for a basic 40-hour week

(a) Calculate her earning for a basic work week

Answer: _____ [2]

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If she works on Saturday, she is paid time and a half time

(b) Calculate how much she would be paid for 1 hour overtime

Answer: _____ [2]

Last week Maria worked 6 hours on Saturday

(c) Calculate her overtime earning for last week.

Answer: _____ [2]

(d) Calculate her total earning for last week.

Answer: _____ [2]

LIVEWORKSHEETS