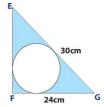
SECTION B

22. Figure EFG below shows a circle inscribed in a 27. Jacob went shopping and bought the following

triangle.



2 loaves of bread at sh. 5,500 per loaf.

- 3 bars of soap for sh. 6,200 per bar $2\frac{1}{2}$ kgs of salt for sh. 600 per 500g.
- (a) What was his total expenditure?

(c) Express the number of boxes for Maths as a percentage of the total numbers of boxes in the

What is the height EF?

(b) If he was given 10% discount, how much did he pay for all the items.

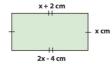
- 30(a) A regular polygon has one of its exterior
- angle of 40°. (i) How many sides has the polygon?

(b) Calculate the radius of the circle if the area of the shaded part is 62cm^2 .(Use pi as $^{22}/_7$)

24Musoni used his salary as follows: 1/2 on fees, $\frac{1}{4}$

on transport, $\frac{1}{8}$ on Clothes and saved the rest. He saved the rest. He saved sh.280,000

29. Use the diagram below to answer the questions that follow.



(ii) How many right angles does the polygon have?

a) Find the fraction saved.

b)How much was his salary?

(a) Find the value of x.

(iii) What is the interior angle sum of the polygon?

25(a) Using a ruler and a pair of compasses only, construct a triangle XYZ in which XY = 7.4cm and angle YXZ = 30° and angle XYZ = 75°

(b) Work out the area of the rectangle.

31. A tank is exposed to three taps; tap A can fill the tank in 8 minutes, tap B can fill the same tank in 6 minutes while tap C can empty the tank in

28. The pie - chart below shows the number of the number of boxes of books in a store. Study it and answer the questions that follow.

Science

(a) How much time will the taps take to fill the tank if all the three taps are open at the same time?

b)Measure YZ. YZ=.....cm

26. a)Solve: 0.8(h - 2) - 0.25(h - 6) = 1

100° 150 80 Math English

(a) Find the value of X.

SST

32(a) Using a ruler, pencil and a pair of compasses and a pencil only, construct a triangle ABC in which AB= 8cm, BC = 6cm and angle $AB\bar{C}$ = 1200.

- (b) Abalo is 18 year old while Nakiwala is 4 years old.In how many years time will Nakiwala be half as old as Abalo?
- (b) If there 12 more boxes for science than English, how many boxes are in the store altogether?
- (b) Measure Length AC