## (SECTION-B)

## Q. No. 6

- a. Five years ago, age of father was thrice the age of his son. If son is 30 years old now, what is current age of father?
- b. A man pays 10% of his income as income tax. If his Income Tax amounts to Rs 1500, what is his income?
- c. The arithmetic mean of a list of 6 numbers is 20. If we remove one of the numbers, the average of the remaining numbers is 15. What is the number that was removed?
- d. Find the missing one:

(i)8,	4.3	2,	7,5	
1-1-	, .,	-,	. ,-	 

(ii	17.	19,23,	.31	1,37
V	, ,			

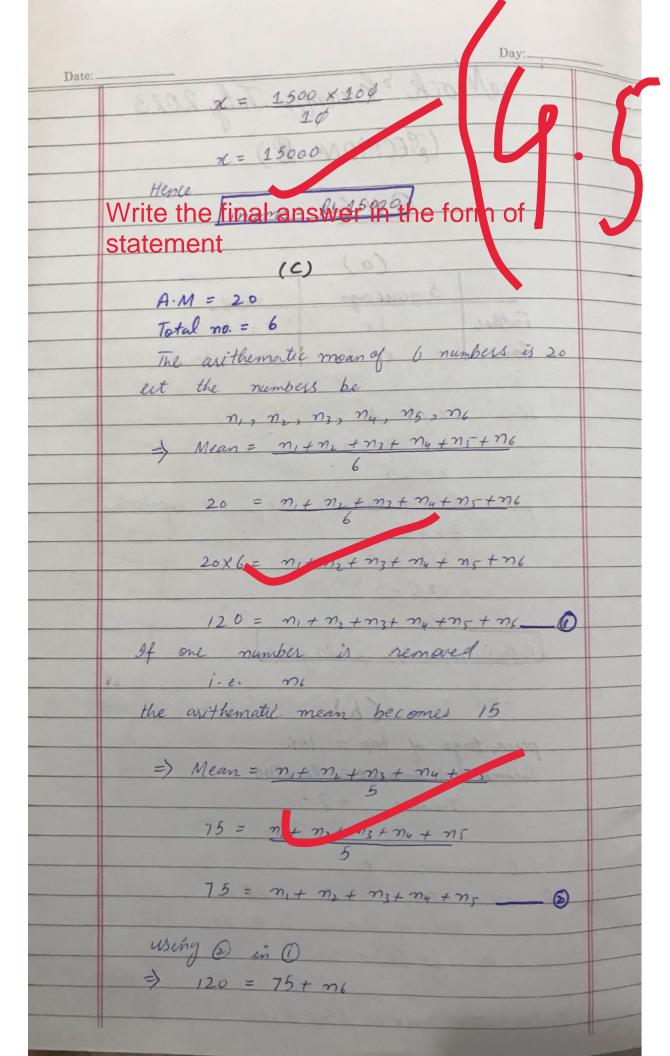
## Q. No. 7

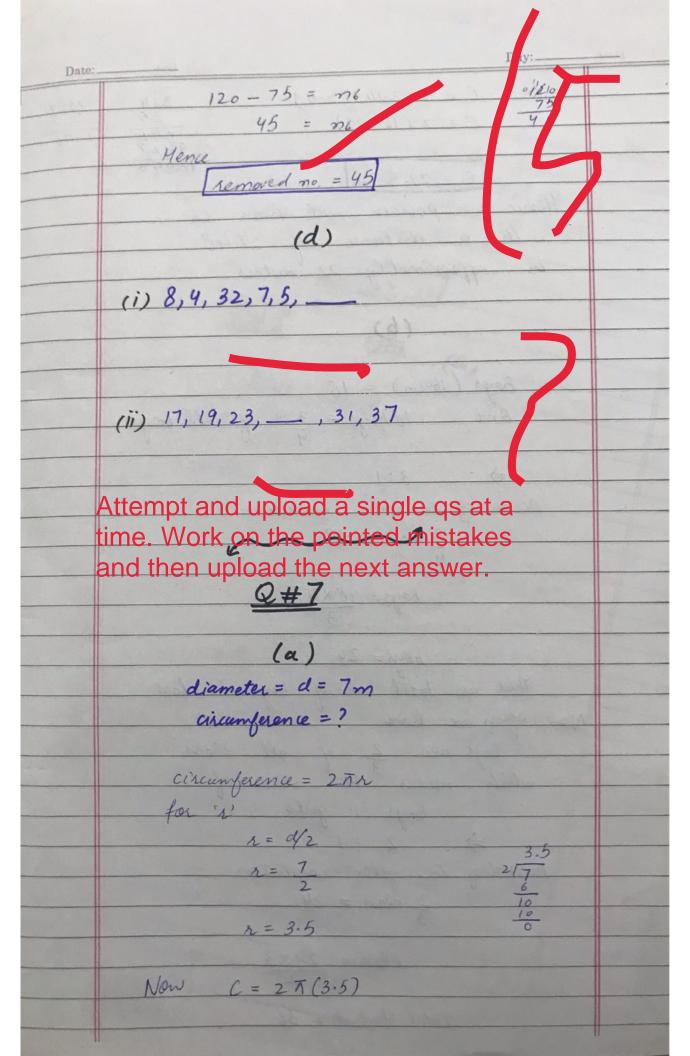
- a. The diameter of a round table is 7 meter. How much distance a person will walk around it?
- b. In a class, there are 18 boys who are over 160 cm tall. If these constitute three-fourths of the boys and the total number of boys is two-thirds of the total number of students in the class, what is the number of girls in the class?
- c. Distinguish IQ & EQ. what are the factors which affect the I.Q.?
- d. A point is selected at random inside a rectangle and perpendiculars are drawn on each side from the point. The Sum of these perpendiculars is 240cm. If length of rectangle is 3-times the width. What will be perimeter of rectangle?

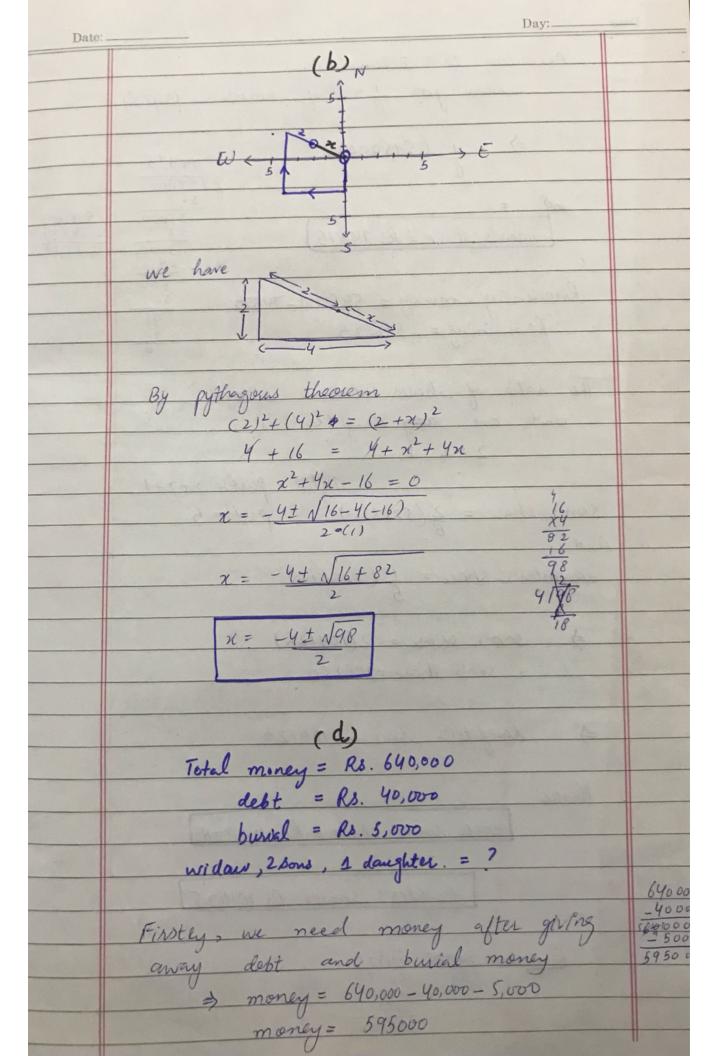
## Q. No. 8

- a. It takes 3 liters of paint to cover an area of 24 square meters. What percentage increase in the quantity of paint would be required to cover an area of 50.4 square meters?
- b. An automobile travels 3 km towards south, 4 km towards west, 5 km towards north and 2 km towards south-east. How far is it from its starting position?
- c. Tahir started a business with a capital of Rs. 15,000. After 5 months Umar also joined him with an investment of Rs. 30,000. At the start of 9th month, Usman joined them by investing Rs. 45,000. At the end of the year they earned a profit of Rs. 406,000. Find the share of each one.
- d. A man left his property of Rs. 640,000. A debt of Rs. 40,000 was due to him and Rs. 5,000 was spent on his burial. Distribute the amount between his widow, one daughter and two sons according to the Islamic Law.

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	(SECTION-B)	
	(pccrion a)	
	Q#6	
	(a) (b)	
	5 years ago non	
	Father 3x 3,5=?	
	Son x x + 5 = 30	
	let the numbers	
	Slnce x 15 30	
	$\chi = 30-5$	
	$\chi = 25$	
	put value of 'x' in required expression	
	3 x + 5	
	= 3(25)+5	
	= 75+5	
	= 80	
	Father's age now = 80 years	
	(6)	
	percentage of tax = 10%	
	Income tax amount = Rs. 1500	
	Income = ?	
	10 1 10 4 10 4 10 4 10 4 10 10 10 10 10 10 10 10 10 10 10 10 10	
	Let income = x	
	According to given distion  : 101. of incom is Rs. 1500	
	10 (2) = 1500	
	$\Rightarrow 10 (x) = 1500$	
-		
-	10(x)= 1500 × 100	







Day:	
Date:  According to Islamic law  nidow gets 1th of his band's property.	
$ \begin{array}{c} = \rangle  1  (595000) \\ 8  8  595000 \\ 56 \\ \hline \\ widow's share = Rs.74375 \\ \hline \\ Remaining money = 595000-74375 \\ \hline \\ Remaining = 520625 \\ \hline \end{array} $	598000 - 74375 520625
The ratio of shares between 2 sons  and one day daughter is  2:2:1  Total parts=2+2+1	
Son's share = $\frac{2}{8}(520625)$ parts = 5  And  daughter's share = $\frac{1}{5}(520625)$ =) Son's share = $\frac{2}{5}(104125)$	
son's share = 208250 =) daughter's share = 104125	
Hence  each son's share = Rs. 208250	
Roughter's share= Ps. 104125  Rough 9- 74375 104125  124 208250 208250 74375	
595000	

Date:	11
(c)	
Tahis = Rs. 15000	
11mas = Rs. 30,000 (6th months)	
Usman = Rs. 45000 (9th month)	15000
Profit = Rs. 40 6000	30000 5000X
Tabil's total investment = 15000x12	3200
= 180,000	
Uman's total investment = 30,000 x 7	
= 210000	
Usman's total investment = 45000 x 4	
= 180000	
The ratio's of their share is	-
180000: 210000 : 180000	
18:21:18	
6:7:6	
Total parts = 6+7+6 = 19	
para para	40
F1:36 (1012 = 6	
Tabis's Share = 6 (406000) = 2436000	
1 ahis share = 0 (400000) =100	
= B, 127121.5	
Umar's share = 7 (406000) = 2842000	
19 19	
= Ps. 14957.8	
11: 14 1 10 - 6 1406000) = 243 6000	
Usman's shale = 6 (406000) = 2436000	
= R8. 127121.5	