Time 2 3

2. The marks (out of 10) obtained by 28 students in a Mathematics test are listed as

 $8,\,1,\,2,\,6,\,5,\,5,\,5,\,0,\,1,\,9,\,7,\,8,\,0,\,5,\,8,\,3,\,0,\,8,\,10,\,10,\,3,\,4,\,8,\,7,\,8,\,9,\,2,\,0$ 

The number of students who obtained marks more than or equal to 5 is

Solution:-

(D) 17

10

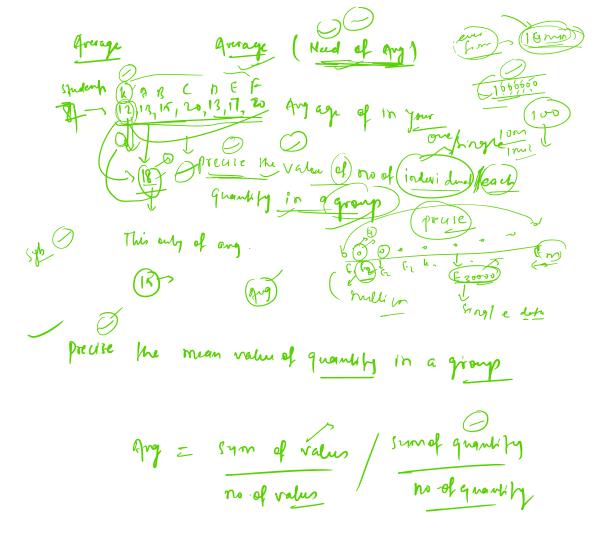
First we have to arrange the marks (out of 10) obtained by 28 students in a Mathematics

test. 0, 0, 0, 0, 1, 1, 2, 2, 3, 3 (4, 5, 5, 5, 6, 7, 7, 8, 8, 8, 8, 8, 8, 9, 9, 10, 10.

The number of students who obtained marks more than or equal to 5 is 17.

3. In question 2 above, the number of students who scored marks less than 4 is

(A) 15 (B) 13 (C) 12 (D) 10

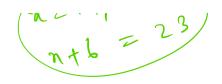


we weighted 3 oranges in a how of freezy oranges and found mere were 33 kg, 320 g, 371g a) 40 qui dout b) 37 c) 29 d) 23



(mysa)

nhai
Question 1: If the average of 46, x, 30, 36, 59, 82, 68 and 94 is 66.5, then what is the value of x?  a) 40  Ub pm f fw + 31 f 59 pm 2 pm 1 pm
a) 40 - 432 f 59 PAZY bol 7 M
b) 37
c) 29 d) 23
d) 23
MEBS (2th NECT MD) was
Q.4: The average of 7 consecutive numbers is 20. What is the largest of these numbers?
Tookkulive D wat to number = n+1  NAN-  NA
7 7 2 140 - M = (1)  12 149 (1)  149 (1)  150 mpl = > (22)
$\binom{2}{n+1} = 23$



Q.5: The average of 10 numbers is 23. If each number is increased by 4, what will the new average be?

7 mm => nfn+1/4 m + 1/4 m + 1/

Q.5: The average of 10 numbers is 23. If each number is increased by 4, what will the new

average be?

2,7,9,1 (2)

be dong know

23 = 10-

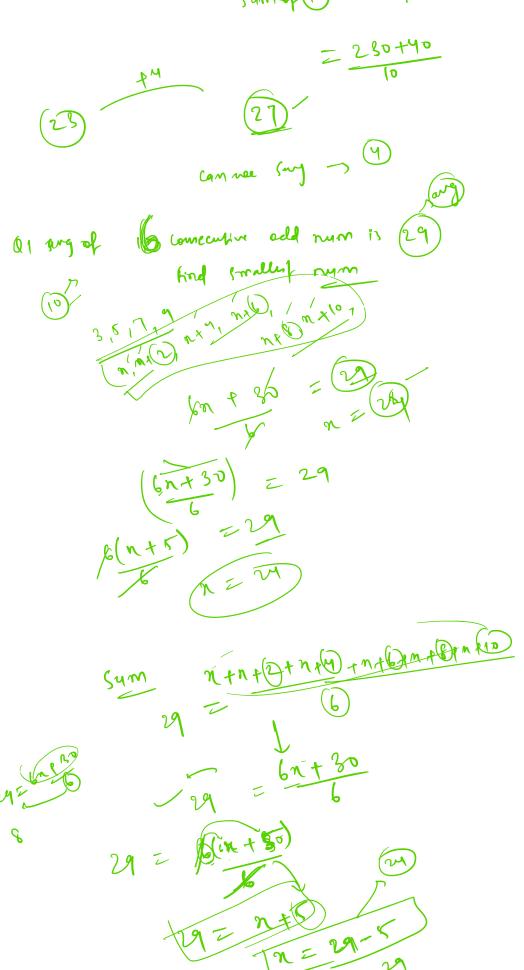
Fym of 10 mm = 230 t

each number increased

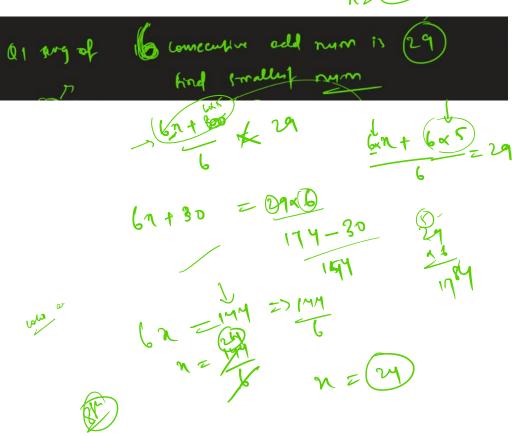
1 Chum aller incream

(40) each number more

sum of 10 rum experimencering

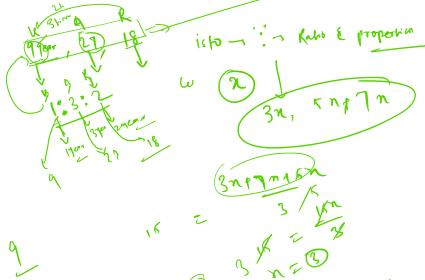






2.8: The average age of three boys is 15 years and their ages are in proportion 3:5:7.

What is the age in years of the youngest boy?



Q.8: The average age of three boys is 15 years and their ages are in proportion 35.7.

What is the age in years of the youngest boy?

Solution: Let the age of the youngest boy be x.

As per the question;



 $\times$  (3x+5x+7x)/3 = 15  $\checkmark$ 

3x+5x+7x = 45

15x = 45

x = 45/15

15x = 45 x = 45/15 x = 3 Age of the youngest boy is: $3x = 3(3) = 9$ years $3x = 3(3) = 9$ years
Typer of averege  (1) mean ( ) and (2) median (3) mode (1,2,1,3,5,7,3,2,1,2,5,3,2,2)
1+2+1+3+5+7+3+2+1+2+5+3+2+2  14  14  14  326  12-17  14  14  14  14  14  14  14  14  14
median

2. The runs scored by 11 players in the cricket match are as follows:

7, 16, 121, 51, 101, 81, 1, 16, 9, 11, 16

Find the median of the data.

3. Find the median for the data 8, 5, (10) 15, 21. mean & median will be some

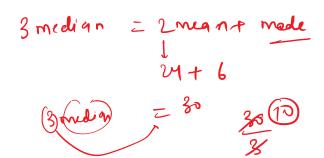
mole (5) (5), (4), (1), (6)

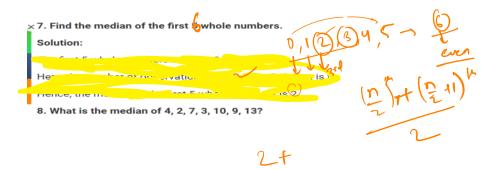
Value occur more nothing

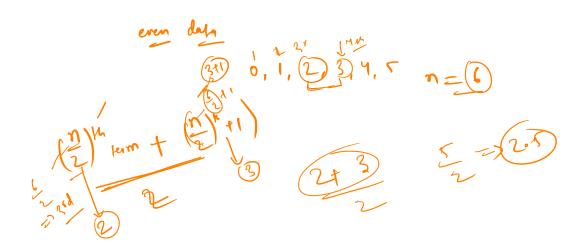
3 median = 2 megn + mode

(3 median = 2 megn + mode

5. For a moderately skewed distribution, mean = 12 and mode = 6. Using these values, find the value of the median.



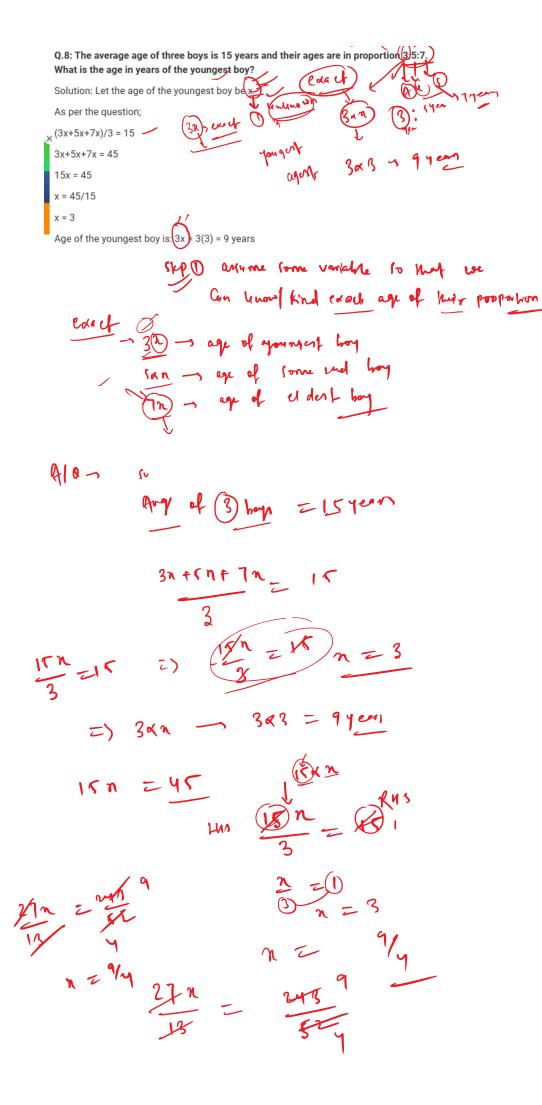


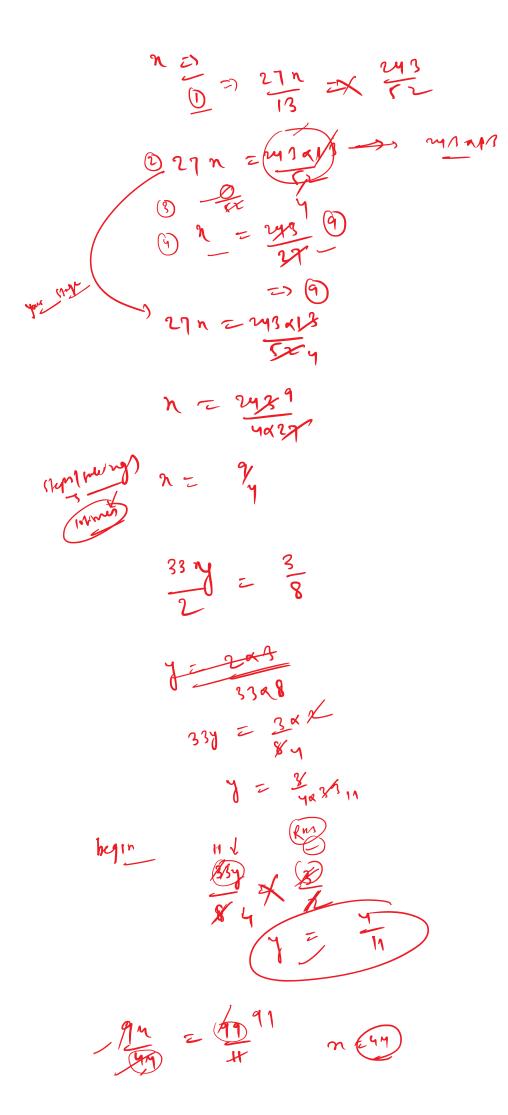


Q.8: The average age of three boys is 15 years and their ages are in proportion (3)5:7.

What is the age in years of the youngest boy?

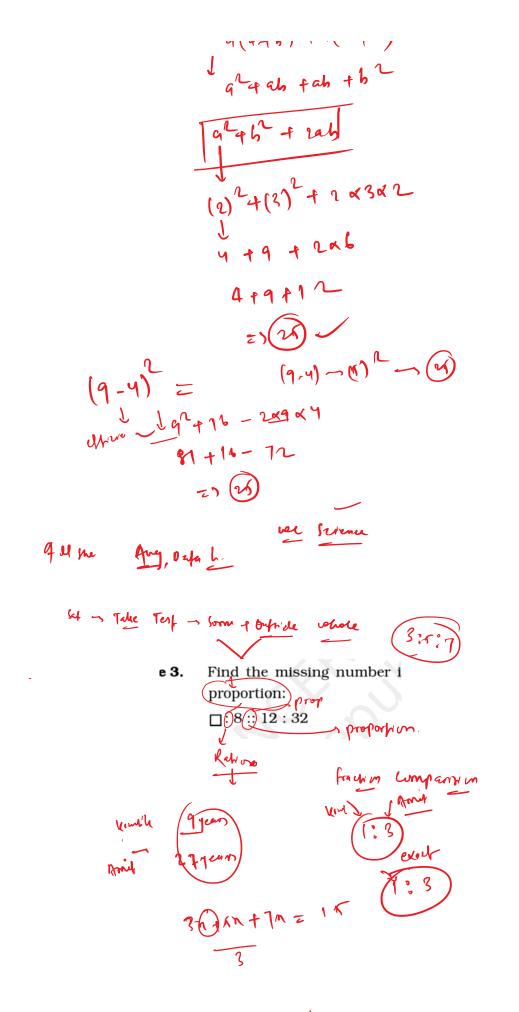
Solution: Let the age of the youngest boy be as a per the question; (3x+5x+7x)/3 = 15 3x+5x+7x = 45 15x = 45 x = 45/15





Rule of mar ( 
$$\frac{1}{9}$$
) =  $\frac{1}{14}$   $\frac{1}$ 

New Section 22 Page 12



the 10hib of Amits age and worth age is

he ratio of Amilia age and Water age is

1:3. and surprise sum of age

1:3. and surprise

1:3. and sur