Page 1

## Chapter-11

# **AVERAGE**

#### WORKSHEET

#### 1. Fill in the blanks:

- a. The overage of a set of values is the sum of the values divided by the number of values in the set.
- b. Average is a number which is roughly between the smallest and the longest number or quantity.
- c. The average gives us an idea about the general value of a one of
- d. The average is the out threatical mean value of the number of given values.
- e. Sum of the values = Average x number of values

## 2. Do as directed:

a) Find the average of 1st five prime numbers.

Ans. 
$$2+3+5+7+11$$
  
=  $\frac{28\times2}{5\times2}$  =  $\frac{56}{10}$  = 5-6  
b) What is the average weight: 14g, 16g, 36g, 42g

Ans. 
$$\underline{14+16+36+42}$$

$$\underline{-100} = 27g$$
c) Find the average if number of item is 15 and the total value of item is 105.

Average = 
$$\frac{105}{15} = 7$$
  
d) Find the average of  $\frac{6}{7}, \frac{2}{5}, \frac{11}{7}$   
Ans.  $= \frac{6}{7} + \frac{2}{5} + \frac{11}{7}$   
 $= \frac{6x5}{7x5} + \frac{2x7}{5x7} + \frac{11x5}{7x5} = \frac{33}{35}$   
 $= \frac{30}{35} + \frac{14}{35} + \frac{55}{35}$ 

ODM Educational Group 99

$$=\frac{99}{35} \div 3$$

# [AVERAGE] MATHEMATICS | STD - V

e) Find the missing value: No. of item are 21 and average is 21 then Sum of the items is

3. Solve as per the given instructions:

=44)

a) The average height of a family of five is 150cm, if the height of 4 family members is 153cm,

b) The average of 5 numbers is 25 and the average of another 5 numbers is 35. Find the average of the 10 numbers taken together.

$$50, average of 10 nos$$
  
=  $5um of nos = 300 = 30$   
Nos

c) Mini's father earns on an average ₹ 9800 a week. How much does he earn in 52

### weeks?

d) 8 students of a class went for medical checkup. The table below shows the record of their weight and age. Find the average age and weight of the students

Age	Weight
11 years 10 months	33kg
12 years	34kg
12 years 7 months	38kg
•	33kg
	36kg
•	32kg
•	36kg
·	38kg
	11 years 10 months

Ans. Total age = 11y - 10m + 12y + 12y+-7m+11y 6m+ 13y+12y+11y

11m+13y 2m = 95x 36m = 98 y

Ave. age = 98y ÷8 = 12y ears 8 months

Total weight = 33+34+38+33+36+32+36+38 = 280 Kg

Average weight = 
$$\frac{280}{8}$$
 = 35.5 Kg

e) Find the average of 11.35, 12.65, 11, 7.25, 14.85, 15.55

e) This the average		10 11
Ans.	Average = 72.65	=12.11
11.35	ь	
12.65		
11		
14.85		
+ 15,55	******	
72.65		