Exercise 14D

Question 1:

(i) first eight natural numbers are:

1,2,3,4,5,6,7and 8

$$\therefore \quad \text{Mean} = \frac{\text{Sum of numbers}}{\text{Total numbers}}$$

$$= \frac{(1+2+3+4+5+6+7+8)}{8}$$

$$= \frac{36}{8} = 4.5$$

$$\therefore \quad \text{Mean} = 4.5$$

(ii) First ten odd numbers are:

1,3,5,7,9,11,13,15, 17, and 19

$$\therefore \quad \frac{\text{Sum of numbers}}{\text{Total numbers}} = \frac{(1+3+5+7+9+11+13+15+17+19)}{10}$$

$$= \frac{100}{10} = 10$$

$$\therefore \quad \text{Mean} = 10$$

(iii) First five prime numbers are: 2, 3, 5, 7, 11

$$\therefore \quad \text{Mean} = \frac{\text{Sum of numbers}}{\text{Total numbers}}$$

$$= \frac{(2+3+5+7+11)}{5}$$

$$= \frac{28}{5} = 5.6$$

$$\therefore \quad \text{Mean} = 5.6$$

(iv) First six even numbers are: 2,4,6,8,10,12

$$\therefore \quad \text{Mean} = \frac{\text{Sum of numbers}}{\text{Total numbers}}$$

$$= \frac{(2+4+6+8+10+12)}{6} = \frac{42}{6} = 7$$

$$\therefore \quad \text{Mean} = 7.$$

(v) First seven multiples of 5 are: 5,10,15, 20, 25, 30, 35

$$\therefore \quad \text{Mean} = \frac{\text{Sum of numbers}}{\text{Total numbers}}$$

$$= \frac{(5+10+15+20+25+30+35)}{7}$$

$$= \frac{140}{7} = 20$$

Therefore, Mean =20

(vi) Factors of 20 are: 1,2,4,5,10,20

$$\therefore \quad \text{Mean} = \frac{\text{Sum of numbers}}{\text{Total numbers}}$$

$$= \frac{(1+2+4+5+10+20)}{6} = \frac{42}{6} = 7$$

********** END **********