

Answers for Thur. 23.04.2020

1 3, 6, 7, 4, 5

$$\text{Mean} = \frac{\text{Sum of data}}{\text{No. of data}}$$

$$= \frac{3+6+7+4+5}{5}$$

$$= \frac{25}{5}$$

$$= 5$$

2

4, 2, 6, 8

$$\text{Mean} = \frac{\text{Sum of data}}{\text{No. of data}}$$

$$= \frac{4+2+6+8}{4}$$

$$= \frac{20}{4}$$

$$= 5$$

3 5, 7, 2, 6, 10, 6

$$\text{Mean} = \frac{\text{Sum of data}}{\text{No. of data}}$$

$$= \frac{5+7+2+6+10+6}{6}$$

$$= \frac{36}{6}$$

$$= 6$$

172

1a	<table border="1"> <thead> <tr> <th>marks</th><th>freq</th></tr> </thead> <tbody> <tr><td>80</td><td>2</td></tr> <tr><td>70</td><td>1</td></tr> <tr><td>60</td><td>1</td></tr> <tr><td>30</td><td>1</td></tr> <tr><td>20</td><td>1</td></tr> <tr><td>10</td><td>1</td></tr> </tbody> </table> <p>Mode = 80 marks</p>	marks	freq	80	2	70	1	60	1	30	1	20	1	10	1	$= \frac{350}{7}$ $= 50 \text{ marks}$	$= \frac{108}{9}$ $= 12 \text{ years}$
marks	freq																
80	2																
70	1																
60	1																
30	1																
20	1																
10	1																
(b)	modal frequency is 2	b) Modal age = 12 yrs Mean = $\frac{\text{Sum of data}}{\text{Number of data}}$ $= \frac{(9 \times 2) + 11 + (2 \times 4) + 13 + 18}{9}$ $= \frac{18 + 11 + 48 + 13 + 18}{9}$	Range = H-L $= \frac{48 - 11}{37}$														
c	Mean = $\frac{\text{Sum of data}}{\text{No. of data}}$ $10 + 20 + 30 + 60 + 70 + (60 \times 2)$	9	Modal frequency is 12 years.														
	7	9	a) No. of children = 108														

3

Answers for Thur. 23.04.2020 - MK P7 pg 106

(a)

Marks	frequency
20	1
18	4
16	1
14	2
12	2
10	2
9	1

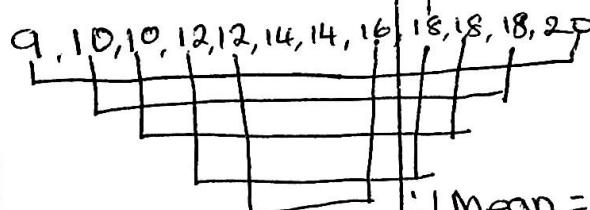
(b) Modal frequency = 4

(c) Range = H - L

$$\frac{20 - 9}{11}$$

d) Mode = 18 marks

e) Median



$$= \frac{14+14}{2}$$

$$= \frac{28}{2}$$

$$= 14$$

f) Mean = $\frac{\text{sum of data}}{\text{No. of data}}$
 $\frac{14 + 14 + 10 + 10 + 12 + 12 + 14 + 14 + 16 + 18 + 18 + 18 + 20}{13}$
 $= \frac{198}{13}$
 $= 14 \frac{8}{13} \text{ Marks}$