

Answers for Thur. 23.0.4. 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

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

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

$$= \frac{12+12+12}{6}$$

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

$$= 6$$

<p>a</p> <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>	Marks	freq	80	→ 2	70	→ 1	60	→ 1	30	→ 1	20	→ 1	10	→ 1	$= \frac{350}{7}$ <p>= 50 marks</p>	$= \frac{108}{9}$ <p>= 12 years</p>
Marks	freq															
80	→ 2															
70	→ 1															
60	→ 1															
30	→ 1															
20	→ 1															
10	→ 1															
<p>Mode = 80 marks</p>	<p>b) Modal age = 12 yrs</p>	<p>c) Range = H - L</p> $= 48 - 11$ $= 37$														
<p>b) modal frequency is 2</p>	<p>d) Mean = $\frac{\text{Sum of data}}{\text{Number of data}}$</p> $= \frac{(9 \times 1) + 11 + (2 \times 4) + 13 + 18}{9}$	<p>e) Modal frequency is 12 years.</p>														
<p>c) Mean = $\frac{\text{Sum of data}}{\text{No. of data}}$</p> $\frac{10 + 20 + 30 + 60 + 70 + (6 \times 2)}{7}$	$= \frac{18 + 11 + 48 + 13 + 18}{9}$	<p>a) No. of children = 108</p>														

3 Answers for Thur. 23.04.2020, MK P7 pg 106

(a)

Marks	frequency
20	1
18	
16	
14	
12	
10	
9	

d Mode = 18 marks

e Median

9, 10, 10, 12, 12, 14, 14, 16, 18, 18, 18, 20



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

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

$$= 14$$

f | Mean = $\frac{\text{sum of data}}{\text{No. of data}}$

$$= \frac{190}{14 \text{ items}}$$

$$= \frac{190}{14}$$

$$= 14 \frac{8}{13} \text{ Marks}$$

(b) Modal frequency = 4

(c) Range = H - L

$$\begin{array}{r} 20 \\ - 9 \\ \hline 11 \end{array}$$