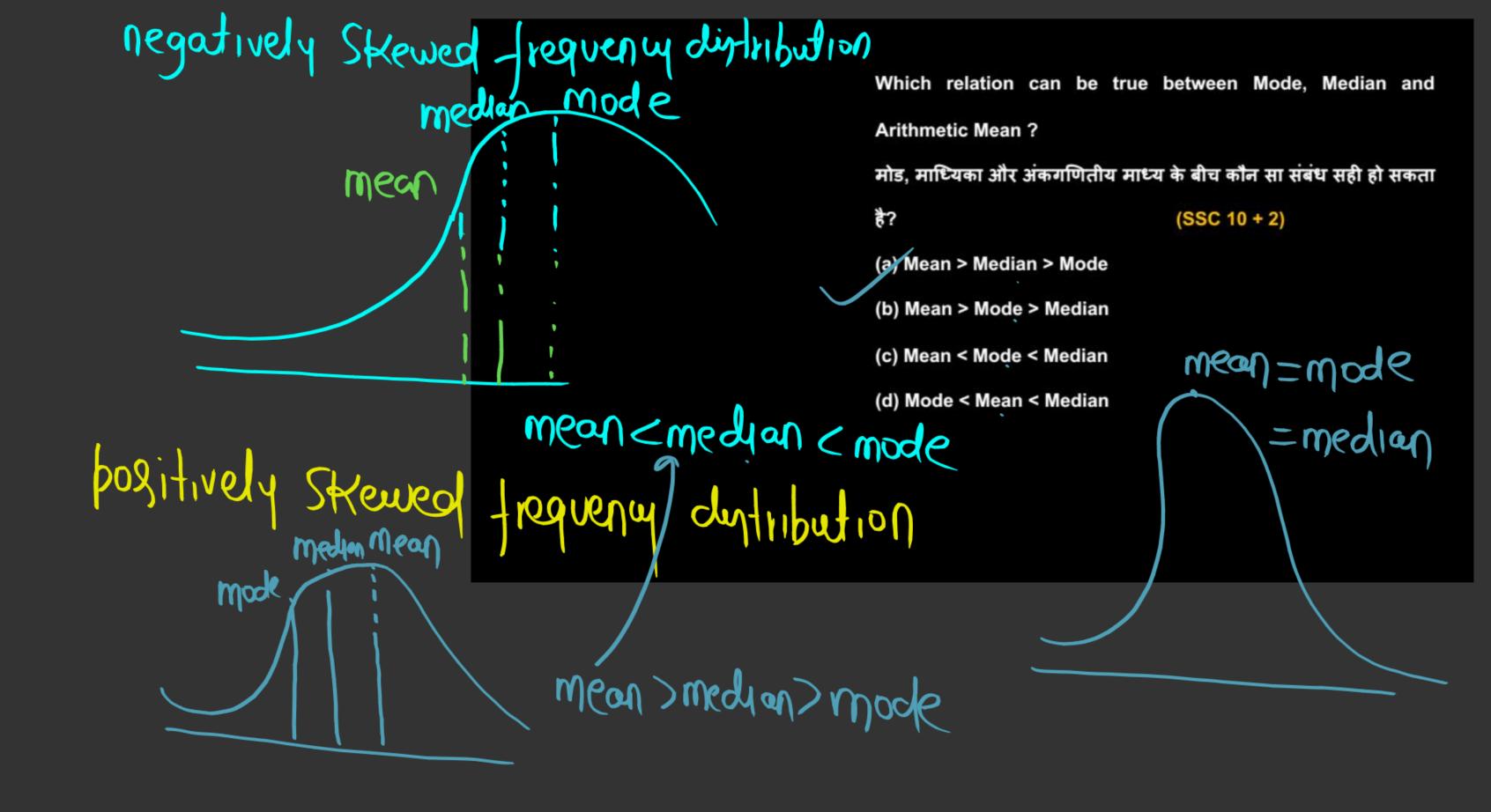
Mode- most commom no. of data (Most frequently occurring value in the list)

Mode = 3.median-2.mean

$$mode-median = 2$$
 $median-mean$



Mode- most commom no. of data (Most frequently occurring value in the list)

Mode = 3.median-2.mean

Mode for grouped data – Mode = L+h
$$(\frac{f_m-f_1}{2fm-(f_1+f_2)})$$
 make equency of class preceding of the median class

f₁- frequency of class preceding of the median class

f₂- frequency of class succeeding of the median class

modal f_m- frequency of the modal

L- lower limit of the mode class

h- size of class interval

there is a 15 Students in the clay, and weight are

39	40	45	So	Ş١	S	23	60
1	١	2	1	5	2	1	

Find mode > SI = mode

Find mode

900 mode < 50

11/5/ 1/		
Score	no.0 Students	
20-30 30-40	4 28 - 1	mode = $40+10\left(\frac{14}{84-48}\right)$
40-50 50-60	42 = modal clay=fm 20 = f2	= 40+ 140=35
60-70 1=40	6	=(43.9) $=(43.9)$
h = 10		

$$mode = 25 + 5(2)$$
 $= 25 + 3.33 = 28.33$

Find the mode for the given distribution (rounded off to two decimal places).

दिए गए बंटन का बहुलक ज्ञात कीजिए (दो दशमलव स्थान तक पूर्णांकित)।

Class	5-10	10-15	15 - 20	20 - 25	25 - 30	30 - 35
Interval						
Frequency	8	7	6	9	11	10
a) 40.25 c) 30.33			b) 28.3 d) 35.3		(m)	32

= largert observation-smaller objervation. Range-dillence blu largest and smallest no indula. - 1,0,2,3,8,3,4,5 3-2) frequency

mean deviation, (about the mean $(x) = |x_i - x|$ mean deviation (about the median $(m) = |x_i - x|$

It mean

M) medy

mean deviation-jor du quele frequency dintribution-

data- >4.15.x3. .. xn-observation occurring with-frequency first 13... fn

$$m \cdot D(\overline{X}) = fi | X_i - \overline{X}|$$

$$MD(M) = fi | X_i - M|$$

$$E = I$$

Find the mean deviation about the mean-

$$Size(x)$$
 .1 3 5 7 9 11 13 15 - Irequency (f) 3 3 4 14 7 4 3 4

$$\overline{x} = mean = \frac{13+3\cdot3+5\cdot4+7\cdot14+9\cdot7+11\cdot4+13\cdot3+15\cdot4}{3+3+4+14+7+4+3+4} = \frac{336}{42}$$

$$m0(\overline{x}) = f(|x-\overline{x}|) = 3(7)+3(5)+4(3)+14(1)+7(1)+4(3)+3(9+4)$$

$$= \frac{13+3\cdot3+5\cdot4+7+7+7+4+3+4}{42} = \frac{336}{42}$$

$$= \frac{3}{11+3}$$

$$=$$

Variance
$$\rightarrow x_1, y_2, x_3$$
... x_n are n obserbation.

 \bar{x} -mean = $x_1 + y_2$... x_n
 σ -Standarddeviation $\sigma_n = \frac{1}{n}(x_1 - \bar{x})^2 = variance$

Moral larger mean

Coefficient of vortation = Standard deviation x 100 mean

Find the variance and Handard deviation-

57, 64, 43, 67, 49, 59, 44, 47, 61, 59

$$mean = 57+64+43+67+49+59+44+47+61+59$$

Calculate variance

	mean	Clay Interval	-Jrequenu	7=36+6.10+4.14+7.18
χ_{l}	6	4-8	3	3-16+4-7
J _Z	10	8-12	6	= 13
3	14	12-16	4	2 11212 (2 112 2
)(y	18	16-20	7	$\frac{2}{3} = \frac{1}{3} \left(\frac{3}{3} + \frac{2}{4} \right) + \frac{2}{4} \left(\frac{3}{1} + \frac{2}{4} \right) + \frac{2}{4} \left(\frac{3}{1} + \frac{2}{4} \right) = \frac{2}{3} \left(\frac{3}{1} + \frac{2}{4}$
				$=\frac{1}{50}(147+54+175)$
			_	380-10
				20

$$J = mean = S+3+4+7$$
 $= 19$

Find the standard deviation of the following data (rounded off to two decimal places).

निम्नलिखित आंकड़ों का मानक विचलन ज्ञात कीजिए (दो दशमलव स्थान तक पूर्णीकित)।

5, 3, 4,
$$7 = \chi_1 \chi_1 \chi_2 \chi_4$$

(a) 1.48 (b) 4.12 (c) 2.45 (d) 3.21

Variance =
$$\sigma = \frac{1}{\sqrt{x_i - x_j}}$$

$$\frac{1}{2} = \frac{1}{140} = \frac{1}{10} \left(\frac{16}{16} + \frac{16}{16} + \frac{16}{16} \right)$$

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