

5) The age, height and weight chart of 5 students below.

NAME	AGE	HEIGHT	WEIGHT
Radha	8y 3m	121 cm	25.5 kg
Renu	9y 4m	130 cm	28 kg
Rakhi	8y 8m	128 cm	27.8 kg
Rani	10y	131 cm	30 kg
Ranju	9y 5m	130 cm	29.6 kg

a) Radha's age = $4y = 12m = 8 \times 12 = 96 =$
 $\times 8y = 96m$ $96 + 3 = 99$
 $+ 3 \text{ months}$

Renu's age = $8 \times 12 = 96 = 96 + 8 = 104$

Rani's age = $10 \times 12 = 120$

Ranju's age = $9 \times 12 = 108 = 108 + 5 = 113$

$$\text{Average} = \frac{99 + 109 + 104 + 120 + 113}{5} =$$

$$545 \div 5 = 109 \text{ months} = 12 \text{ y } 9 \text{ m}$$

$$= 108 \text{ m}$$

b) Height of all 5 students = $121 + 130 + 128 + 131 + 130 = 640$

$$\text{Average} = 640 \div 5 = 128 \text{ cm}$$

$$\begin{array}{r} 128 \rightarrow 128 \text{ cm} \\ 5 \overline{) 640} \\ \underline{-5} \\ 14 \\ \underline{-10} \\ 40 \\ \underline{-40} \\ 00 \end{array}$$

c) Total weight of all 5 students = 25.5 kg^+
 $28 + 27.8 + 30 + 29.6 = 140.9$

$$140.9 \div 5 = 28.18$$

$$\begin{array}{r} 28 \\ 5 \overline{) 140} \\ \underline{-10} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

6) The marks of 20 students of a class in a mathematics test are below:

a) 34, 42, 54, 76, 82, 26, 78, 67, 62, 54, 17, 25, 39, 42, 66, 78, 80, 92, 26, 40 = 1080

$$1080 \div 20 = 54 \rightarrow 54$$
$$\begin{array}{r} 20 \overline{) 1080} \\ \underline{100} \\ 80 \\ \underline{80} \\ 00 \end{array}$$

Ans is 54

b) 34, 42, 26, 17, 25, 39, 42, 26, 40 = 9

Ans 9 students.

c) 76, 82, 78, 67, 62, 66, 78, 80, 92 = 9

Ans 9 students.

d) Ans 2 students.

7) The daily attendance of classes V A, B & C on 5 days of a week are given:

Class	Mon	Tues	Wed	Thurs	Fri
VA	48	50	52	46	44
VB	49	51	48	45	47
VC	50	47	45	48	50

a) $VA = 48 + 50 + 52 + 46 + 44 = 240$

$$\begin{array}{r}
 240 = 5 \overline{) 240} = 48 \\
 \underline{5} \quad \underline{-20} \\
 40 \\
 \underline{-40} \\
 0
 \end{array}$$

$VB = 49 + 51 + 48 + 45 + 47 = 240$

$$\begin{array}{r}
 240 = 5 \overline{) 240} = 48 \\
 \underline{5} \quad \underline{-20} \\
 40 \\
 \underline{-40} \\
 0
 \end{array}$$

$VC = 50 + 47 + 45 + 48 + 50 = 240$

$$\begin{array}{r} 48 \\ 5 \overline{) 240} \\ \underline{-20} \\ 40 \\ \underline{-40} \\ 0 \end{array} = \underline{48}$$

ANS = All were equal

$$b) \text{ Mon} = 48 + 49 + 50 = 147 = 3 \overline{) 147}$$

$$\text{Tues} = 50 + 51 + 47 = 148 = \overline{3 \overline{) 148}}$$

$$\begin{array}{r} 49 \\ 3 \overline{) 148} \\ \underline{-12} \\ 28 \\ \underline{-27} \\ 1 \end{array} = 49.1$$

$$\text{Wed} = 52 + 48 + 45 = 145 = \overline{3 \overline{) 145}}$$

$$\text{Thurs} = 46 + 45 + 48 = 139 = \overline{3 \overline{) 139}}$$

$$\begin{array}{r} 46 \\ 3 \overline{) 139} = 46.1 \\ \underline{-12} \\ 19 \\ \underline{-18} \\ 1 \end{array}$$

$$\text{F.g.} = 44 + 47 + 50 = 131 = 3 \overline{) 131} = 43.2$$

$$\begin{array}{r} 43 \\ 3 \overline{) 131} \\ \underline{-12} \\ 11 \\ \underline{-9} \\ 2 \end{array}$$

ANS = i) 49 ii) 43.2

8) The marks of 6 students in 6 subjects are given below:

Name	Eng	Hindi	Maths	Science	History	Geography
Amar	63	58	85	68	70	64
Balbir	50	37	41	40	50	46
Chander	82	48	91	88	74	73
Dilraj	60	58	62	60	65	67
Ela	48	51	47	50	51	47
Fatima	75	48	70	66	80	75

$$a) \text{Eng} = 63 + 58 + 85 + 68 + 70 + 64$$

$$63 + 50 + 82 + 60 + 48 + 75 = 280$$

$$= 268 - \cancel{63} - \cancel{58} - \cancel{85} - \cancel{68} - \cancel{70} - \cancel{64} = 44.4$$

$$\begin{array}{r} -24 \\ 28 \\ \hline 24 \\ 4 \end{array}$$

$$\text{Hindi} = 58 + 48 + 37 + 58 + 51 + 48 = 300$$

$$\begin{array}{r} 50 \\ 300 \\ \hline 30 \\ 0 \\ -0 \\ \hline 0 \end{array}$$

$$\text{Maths} = 85 + 41 + 91 + 62 + 47 + 70 = 396$$

$$\begin{array}{r} 66 \approx 66 \\ 396 \\ \hline 36 \\ 36 \\ \hline -36 \\ 0 \end{array}$$

$$\text{Science} = 68 + 40 + 88 + 60 + 50 + 66 =$$

$$372 = \underline{62} = 62$$

$$\begin{array}{r} 5 \overline{) 372} \\ \underline{36} \end{array}$$

$$\underline{12}$$

$$\underline{12}$$

$$\underline{0}$$

$$\text{Eng} = 63 + 50 + 82 + 60 + 48 + 75 =$$

$$338 = \underline{56} = 56$$

$$\begin{array}{r} 6 \overline{) 338} \\ \underline{30} \end{array}$$

$$\underline{38}$$

$$\underline{36}$$

$$\underline{2}$$

$$\text{History} = 70 + 50 + 74 + 65 + 51 + 80 =$$

$$390 = \underline{65} = 65$$

$$\begin{array}{r} 6 \overline{) 390} \\ \underline{36} \end{array}$$

$$\underline{30}$$

$$\underline{30}$$

$$\underline{0}$$

$$0$$

$$\text{Geography} = 64 + 46 + 73 + 67 + 47 + 75 =$$

$$= 372$$

$$\begin{array}{r}
 62 \\
 6 \overline{) 372} = 62 \\
 \underline{-36} \\
 12 \\
 \underline{-12} \\
 0
 \end{array}$$

$$\begin{aligned}
 b) \text{Amare} &= 63 + 58 + 85 + 68 + 70 + 64 = 408 \\
 &= 408 = \frac{408}{6} = 68 \\
 &\quad 6 \overline{) 408} \\
 &\quad \underline{36} \\
 &\quad \quad 48 \\
 &\quad \quad \underline{-48} \\
 &\quad \quad \quad 0
 \end{aligned}$$

$$\begin{aligned}
 \text{Balbir} &= 50 + 37 + 40 + 41 + 50 + 46 = 264 \\
 &= \frac{264}{6} = 44 \\
 &\quad 6 \overline{) 264} \\
 &\quad \underline{-24} \\
 &\quad \quad 24 \\
 &\quad \quad \underline{-24} \\
 &\quad \quad \quad 0
 \end{aligned}$$

$$\text{Chander} = 82 + 48 + 91 + 88 + 74 + 73 = 456$$

$$= \frac{76}{6} = 76$$

$$6 \overline{) 456}$$

$$\underline{-42}$$

$$36$$

$$\underline{-36}$$

$$0$$

$$\text{Dilraj} = 60 + 58 + 62 + 60 + 65 + 67 =$$

$$372 = \frac{62}{6} = 62$$

$$6 \overline{) 372}$$

$$\underline{-36}$$

$$12$$

$$\underline{-12}$$

$$0$$

$$\text{Ela} = 48 + 51 + 47 + 50 + 51 + 47 = 294$$

$$= \frac{49}{6} = 49$$

$$6 \overline{) 294}$$

$$\underline{24}$$

$$54$$

$$\underline{-54}$$

$$0$$

$$\text{Fatima} = 75 + 48 + 70 + 66 + 80 + 75 =$$

$$414 =$$


$$\begin{array}{r} 69 \\ 6 \overline{) 414} = 69 \\ - 36 \\ \hline 54 \\ - 54 \\ \hline 0 \end{array}$$

~~ANS =~~

c) $ANS = \text{Maths}$

d) $ANS = \text{English}$