

INTEGRATED

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Class: VI, MATHEMATICS

4. DATA HANDLING

TEACHING TASKS (JEE MAINS)

01.	Conceptual	Ans: B
02.	Conceptual	Ans: B
03.	Conceptual	Ans: A
04.	Conceptual	Ans: A
05.	Conceptual	Ans: B
06.	Conceptual	Ans: B
07.	Conceptual	Ans: C
08.	Conceptual	Ans: C
09.	Conceptual	Ans: B
10.	Conceptual	Ans: A
11.	Conceptual	Ans: A, B, D
12.	Conceptual	Ans: A, B, C
13.	<u>Statement I</u> : $4 \times 5 = 20$ books (True) <u>Statement II</u> : Mathematically (True)	Ans: A
14.	<u>Statement I</u> : Mathematically (True) <u>Statement II</u> : Conceptual (True)	Ans: A

15.	<u>Assertion</u> : mathematically (True) <u>Reason</u> : Conceptual (True)	Ans: A
16.	<u>Assertion</u> : Conceptual (True) <u>Reason</u> : Conceptual (True)	Ans: A
17.	Conceptual	Ans: B
18.	Apple = 12 Students = 6 x 2 student = 6 x 1 symbol = 6 symbols	Ans: B
19.	Sports (25)	Ans: C
20.	Music = 20 students = 4 x 5 students = 4 x 1 symbol = 4 symbols	Ans: B
21.	Science = 24 students = 4 x 6 students = 4 x 1 symbol = 4 symbols	Ans: 4
22.	12 + 8 = 20 students	Ans: 20
23.	a) favourite colour of student (Q) b) No. of students in a class (P) c) Height of students in cm (R) d) No. of books read per month (S)	Ans: Q, P, R, S

24 a) $50 = 5 \times 10 = 5 \text{ Symbols (9)}$

b) $30 = 3 \times 10 = 3 \text{ Symbols (5)}$

c) $70 = 7 \times 10 = 7 \text{ Symbols (8)}$

d) $40 = 4 \times 10 = 4 \text{ Symbols (P)}$

Ans: 9, 5, 8, P

(3)

LEARNERS TASK/CUES

01.	III	Ans: C
02	Conceptual	Ans: A
03	Conceptual	Ans: B
04	Conceptual	Ans: B
05	5 $5 + 10 = 15$	Ans: C
06	Conceptual	Ans: B
07.	Conceptual	Ans: B
08	Conceptual	Ans: A
09.	6 Students got 10 marks \rightarrow Average = $\frac{10}{6} = 1.6m$ 4 Students got 20 marks \rightarrow Average = $\frac{20}{4} = 5m$ 20 marks group performed well	Ans: C
10.	Conceptual	Ans: A

JEE MAINS

01.	Interpretation of data	Ans: B
02	Data becomes more varied	Ans: B
03	A number	Ans: B
04	Conceptual	Ans: B

05. Conceptual ④ Ans. C

06. $8 \times 5 = 40$ pens Ans. D

07. Total Students = $6 \times 2 + 4 \times 2 =$
 $= 12 + 8 = 20$ students Ans. D

08. Conceptual Ans. B

09. Conceptual Ans. B

10. Conceptual Ans. C

JEE ADVANCED

11. A) total no. of students = $3 + 5 + 7 + 5$
 $= 20$ ✓

B) Highest frequency = 7 ✓

C) True ✓

D) True ✓

Ans. A, B, C, D

12. A) Brand B = 6 pictures = $6 \times 5 = 30$ pencils ✓

B) Brand D = 5 pictures = $5 \times 5 = 25$ pencils ✓

C) Total pencils = $4 + 6 + 3 + 5$ pictures
 $= 18$ pictures
 $= 18 \times 5 = 90$ pencils ✓

D) Brand C = 3 pictures
 $= 3 \times 5 = 15$ pencils X Ans. A, B, C

13. Statement I: Conceptual (True)

Statement II: Conceptual (True)

Ans. A

14. Statement I: Conceptual (True) (5)
Statement II: Conceptual (False) Ans: C

15. Assertion: Conceptual (True) Ans: A
Reason: Conceptual (True)

16. Assertion: Conceptual (True) Ans: A
Reason: Conceptual (True)

17. Friday (10) Ans: C

18. Thursday = 30 packets
= 6 x 5 packets
= 6 x 1 Symbol
= 6 Symbols Ans: A

19. Other than Bus = Bicycle + walking + car
= 12 + 10 + 5
= 27 Students Ans: A

20. Bicycle = 12 Students
= 6 x 2 Students
= 6 x 1 Symbol
= 6 Symbols Ans: B

21. Total students = 10 + 8 + 6 + 6
= 30 Students
= 15 x 2 Students
= 15 x 1 Symbol
= 15 Symbols Ans: 15

22 Thursday = 60 forty
= 6×10 forty
= 6×1 Symbol
= 6 Symbols

(6)

Ans: 6

- 23
- a) Table (Q)
 - b) pictograph (P)
 - c) Line graph (R)
 - d) Bar graph (S)

Ans: Q, P, R, S

- 24
- a)
 - ~~b) Each symbol equals a specific quantity (R)~~
 - c)

- 24
- a) Each symbol equals a specific quantity (R)
 - b) makes data visually appealing (S)
 - c) show trends over time (P)
 - d) Data must be accurate and not repeated (Q)

Ans: R, S, P, Q

⇒ THE END ⇐