JAINAM ONLINE CLASSES

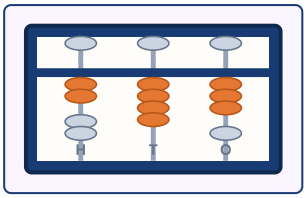
ABACUS LEVEL 5 – BEAD-BASED MCQ WORKSHEET

TIME: 30 MINS
TOTAL: 20 MARKS

STUDENT NAME: ..... **DATE:** ..... **SCORE:** ..... / 20

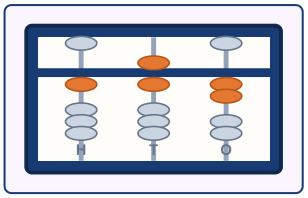
TYPE 1: READ THE BEADS (QUESTIONS 1 TO 6) *Identify the correct 3-digit number shown on each soroban abacus.*

Q1. Read the Abacus



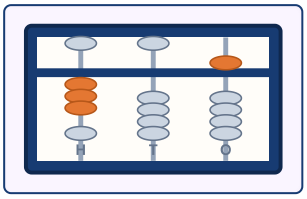
A) 234 B) 243
C) 342 D) 244

Q2. Read the Abacus



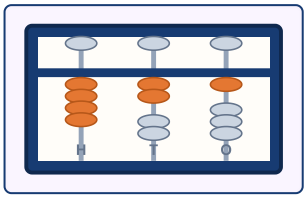
A) 152 B) 162
C) 112 D) 262

Q3. Read the Abacus



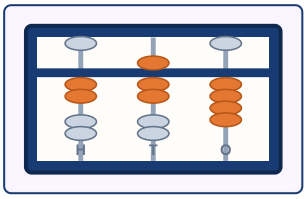
A) 350 B) 305
C) 355 D) 300

Q4. Read the Abacus



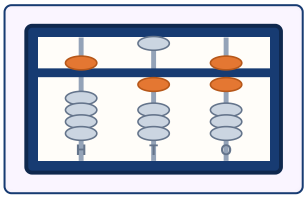
A) 421 B) 412
C) 422 D) 471

Q5. Read the Abacus



A) 224 B) 274
C) 279 D) 264

Q6. Read the Abacus

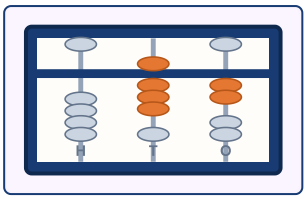


A) 516 B) 511
C) 016 D) 561

TYPE 1: READ THE BEADS (QUESTIONS 7 TO 10)

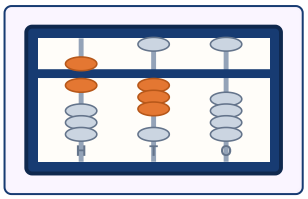
Identify the correct 3-digit number shown on each soroban abacus.

Q7. Read the Abacus



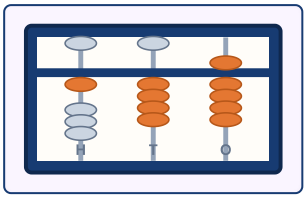
A) 820 B) 032
C) 082 D) 582

Q8. Read the Abacus



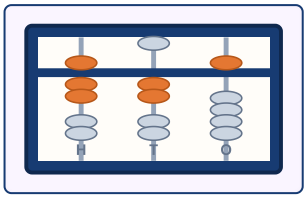
A) 130 B) 630
C) 635 D) 603

Q9. Read the Abacus



A) 149 B) 144
C) 194 D) 159

Q10. Read the Abacus



A) 225 B) 720
C) 725 D) 775

TYPE 2: SOLVE THE BEAD MOVEMENT (QUESTIONS 11 TO 16)

Perform the mental bead operations and choose the final result.

Q11. Calculation

Start at 124. Add 23.

A) 147 B) 143
C) 157 D) 137

Q12. Calculation

Start at 236. Subtract 14.

A) 220 B) 222
C) 212 D) 224

Q13. Calculation

Start at 315. Add 42.

A) 355 B) 357
C) 347 D) 367

Q14. Calculation

Start at 482. Subtract 31.

A) 451 B) 453
C) 441 D) 452

Q15. Calculation

Start at 157. Add 26.

A) 181 B) 183
C) 173 D) 182

Q16. Calculation

Start at 264. Subtract 38.

A) 228 B) 226
C) 236 D) 216

TYPE 2: SOLVE THE BEAD MOVEMENT (QUESTIONS 17 TO 20)

Perform the mental bead operations and choose the final result.

Q17. Calculation
Start at 328. Add 47.

A) 365 B) 375
C) 373 D) 385

Q18. Calculation
Start at 501. Subtract 26.

A) 475 B) 485
C) 477 D) 465

Q19. Multi-Step Calculation
Start at 246. Add 35, then subtract 12.

A) 269 B) 281
C) 267 D) 271

Q20. Multi-Step Calculation
Start at 413. Subtract 24, then add 36.

A) 425 B) 415
C) 435 D) 422

STUDENT ANSWER RECORDING SHEET

Write option letters (A, B, C, or D) clearly

Q#	1	2	3	4	5	6	7	8	9	10
ANS										

Q#	11	12	13	14	15	16	17	18	19	20
ANS										

Evaluated By: _____ Signature: _____ Final Marks: _____ / 20

INSTRUCTIONS FOR STUDENTS: Check all bead readings carefully. Ensure upper bead (value 5) and lower beads (value 1) are correctly counted only when touching the horizontal reckoning bar.

TEACHER ANSWER KEY & SOLUTIONS

JAINAM ONLINE CLASSES — ABACUS LEVEL 5

CONFIDENTIAL / FOR TEACHER USE ONLY

Q#	TYPE	QUESTION SUMMARY	CORRECT OPTION	NUMERICAL ANSWER / STEP
1	Read Beads	Abacus rods H=2, T=4, O=3	**B**	**243**
2	Read Beads	Abacus rods H=1, T=6 (5+1), O=2	**B**	**162**
3	Read Beads	Abacus rods H=3, T=0, O=5 (5+0)	**B**	**305**
4	Read Beads	Abacus rods H=4, T=2, O=1	**A**	**421**
5	Read Beads	Abacus rods H=2, T=7 (5+2), O=4	**B**	**274**
6	Read Beads	Abacus rods H=5 (5+0), T=1, O=6 (5+1)	**A**	**516**
7	Read Beads	Abacus rods H=0, T=8 (5+3), O=2	**C**	**082** (or 82)
8	Read Beads	Abacus rods H=6 (5+1), T=3, O=0	**B**	**630**
9	Read Beads	Abacus rods H=1, T=4, O=9 (5+4)	**A**	**149**
10	Read Beads	Abacus rods H=7 (5+2), T=2, O=5 (5+0)	**C**	**725**
11	Bead Movement	124 + 23	**A**	**147**
12	Bead Movement	236 − 14	**B**	**222**
13	Bead Movement	315 + 42	**B**	**357**
14	Bead Movement	482 − 31	**A**	**451**
15	Bead Movement	157 + 26	**B**	**183**
16	Bead Movement	264 − 38	**B**	**226**
17	Bead Movement	328 + 47	**B**	**375**
18	Bead Movement	501 − 26	**A**	**475**
19	Bead Movement	246 + 35 − 12	**A**	281 − 12 = **269**
20	Bead Movement	413 − 24 + 36	**A**	389 + 36 = **425**

GRADING SCALE:

- **18 – 20:** Outstanding / Mastery
- **14 – 17:** Proficient
- **10 – 13:** Needs Practice
- **Below 10:** Re-evaluate Abacus Bead Concepts

PEDAGOGICAL NOTES (LEVEL 5):

Questions 15–20 involve combinations of 5-complement and 10-complement bead movements (e.g., adding 7 via +10 −3 or adding 6 via +10 −4). Ensure students visualize the movements on the upper (val 5) and lower (val 1) beads correctly without manual counting.