1) A company distributes three products (A, B, C) to three regions (North, South, West).
- **Each region receives exactly 300 units in total.**
- **Total production = 900 units (A = 300, B = 300, C = 300).**
- **In North: A is twice B, and C is half of B.**
- **In South: B is equal to C, and A is 20 less than B.**
- **In West: A is 30 more than C, and B is 10 less than C.**

How many units of Product A are distributed in the South region?
a) 80
b) 100
c) 120
d) 140

Answer: (b) 100

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2) Four teams (P, Q, R, S) played a round-robin tournament (each plays every other once).
- **A win gives 3 points, draw 1, loss 0.**
- **P got 4 points, Q got 5, R got 6, S got 2.**
- **Exactly two matches ended in a draw.**

Which team lost to both P and Q?
a) R
b) S
c) Both R and S
d) Cannot be determined

Answer: (b) S

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3) Five employees (A, B, C, D, E) sit in a row facing North.
- **A sits to the immediate right of B.**
- **C is not at either end.**
- **D sits two places to the right of C.**
- **E is to the left of A but not next to B.**

Who sits exactly in the middle?
 a) A
 b) B
 c) C
 d) D

Answer: (c) C

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4) Three partners (X, Y, Z) invest in a business.
- **X invests ₹40,000, Y invests ₹60,000, Z invests ₹80,000.**
- **After 1 year, they earn ₹60,000 profit.**
- **X and Y withdraw half their capital after 6 months, while Z keeps the full amount throughout.**

What is Z's share of profit?
 a) ₹25,000
 b) ₹30,000
 c) ₹32,000
 d) ₹35,000

Answer: (c) ₹32,000

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5) A school has three classes (X, Y, Z). Each class has 40 students.
- **In Class X: 50% play Cricket, 30% Football, 20% both.**
- **In Class Y: 40% play Cricket, 25% Football, 15% both.**
- **In Class Z: 60% play Cricket, 20% Football, 10% both.**

How many students play only Cricket across all classes?
 a) 40
 b) 44
 c) 48
 d) 52

Answer: (c) 48