

SCHOLARS SSC ACADEMY

SSC & BANKING - TOPIC-WISE PRACTICE ASSIGNMENT

Mixture & Alligation

Quantitative Aptitude / Mathematics | Set 1 | 10 MCQs | Practice Worksheet

Student Name: _____	Date: _____
Suggested Time: 15 minutes	Total Marks: 10

Instructions: Choose the most appropriate option. Attempt all questions. This is an original practice assignment, not a claimed previous-year paper.

- 1. In what ratio should a solution of 20% concentration be mixed with a 50% solution to obtain 35% concentration?**
 - A. 2:1
 - B. 3:2
 - C. 1:2
 - D. 1:1
- 2. In what ratio should a solution of 25% concentration be mixed with a 60% solution to obtain 42.5% concentration?**
 - A. 2:1
 - B. 1:1
 - C. 3:2
 - D. 1:2
- 3. In what ratio should a solution of 30% concentration be mixed with a 70% solution to obtain 50% concentration?**
 - A. 2:1
 - B. 3:2
 - C. 1:1
 - D. 1:2
- 4. In what ratio should a solution of 35% concentration be mixed with a 80% solution to obtain 57.5% concentration?**
 - A. 1:2
 - B. 1:1
 - C. 2:1
 - D. 3:2
- 5. In what ratio should a solution of 40% concentration be mixed with a 50% solution to obtain 45% concentration?**
 - A. 3:2
 - B. 2:1
 - C. 1:1
 - D. 1:2
- 6. In what ratio should a solution of 20% concentration be mixed with a 60% solution to obtain 40% concentration?**
 - A. 2:1
 - B. 1:1
 - C. 3:2
 - D. 1:2

7. In what ratio should a solution of 25% concentration be mixed with a 70% solution to obtain 47.5% concentration?

- A. 1:2
- B. 2:1
- C. 1:1
- D. 3:2

8. In what ratio should a solution of 30% concentration be mixed with a 80% solution to obtain 55% concentration?

- A. 1:2
- B. 3:2
- C. 1:1
- D. 2:1

9. In what ratio should a solution of 35% concentration be mixed with a 50% solution to obtain 42.5% concentration?

- A. 2:1
- B. 1:2
- C. 3:2
- D. 1:1

10. In what ratio should a solution of 40% concentration be mixed with a 60% solution to obtain 50% concentration?

- A. 1:1
- B. 3:2
- C. 1:2
- D. 2:1

ANSWER KEY

Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	D	2	B	3	C	4	B	5	C
6	B	7	C	8	C	9	D	10	A

Use this assignment for topic-wise practice and classroom discussion. Review incorrect answers with your faculty before moving to the next topic.