

Previous Year Questions Unit Wise| Teaching of Mathematics| D.El.Ed| SCERT Delhi

Unit 3 Practical Arithmetic and Statistics

3.1 Percentage

1. How will you develop the concept of Percentage at elementary level? Explain with suitable activity. (5) (2017)
2. Explain the difference between Percentage & Fraction. What type of errors students commit while solving the problems of 'Percentage & Fractions'? Suggest some remedial measures. (4+3+3=10) (2018)
3. How will you teach the concept of percentage as a form of representing a fractional number to students of class 7.

3.2 Ratio and Proportion

1. How will you teach the concept of 'Ratio and Proportion' to the class 7 students? Suggest suitable activities to teach these concepts. (6+4=10) (2017)
2. How will you develop the concept of 'Ratio and Proportion' among students of class 6? Explain with suitable activities. (5+5=10) (2018)

3.3 Profit and Loss

1. Which learning method will you use to teach the topic of 'Profit and Loss' at elementary level? Explain with examples. (3+2=5) (2016)

3.4 Interest and Discount

1. What is the difference between Simple Interest and Compound Interest? Find the difference between Compound Interest and Simple Interest for a sum of Rs. 20000 borrowed from a bank for 3 years at the rate of 5% per annum. (2.5+2.5=5) (2022)

3.5 Statistics: Use in Everyday Life

1. What is statistics? Write its characteristics? How graphical methods help you to understand different concepts of statistics? (2+2+6=10) (2022)

3.6 Collection, Classification and Tabulation of Data, Graphical Presentation (Axis Bar Diagram)

1. Discuss various methods of representation of data with suitable examples. (10) (2016)
2. How will you present the data of marks obtained by 30 students of your class to make data more meaningful? (10) (2017)

3.7 Elementary Statistical Technique: Interpretation of Data, Mean, Median, Mode

1. How will you teach 'Mean and Median' of unclassified data at upper primary level? Discuss with the help of suitable examples. (5+5=10) (2016)
2. How will you use 'Elementary Statistical Techniques' of 'Interpretation of Data' in interpreting the marks of students given below:
23,07,34,45,48,17,19,21,26,40,13,43,42,48,30 (10) (2018)
3. How will you teach the concept of 'Median' to students at elementary level? (5) (2018)
4. How will you teach the concept of 'Mean' to students at elementary level? Explain with suitable activity. What is the importance of graphical representation of data? Give some suitable examples. (5+5=10) (2019)
5. What do you mean by median? Write its merit and demerit. Explain the methods involved in teaching methods of grouped and ungrouped data. (5) (2022)

3.8 Time Tabling including Railway Time Tables