CTET Dec 2019 P1 Mathematics Questions Previous Paper Part 2

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42. The main purpose of introducing 'mapping' in the primary Mathematics curriculum is/are

(a) to promote spatial thinking

(b) to promote proportional reasoning

(c) to make subject easy and interesting

(d) to break the monotony of numbers

A. a & c

B. a & d

C. a & b

D. b & c

43. Which of the following topics are not part of primary school Mathematics curriculum as per NCF 2005?

A. Tessellation

B. Symmetry

C. Patterns

D. Ratio

44. Which of the following resources/TLM can be used by the teacher to show that two rectangles of different dimensions can have same area without using formula?

(a) Scale

(b) Graph paper

(c) Thread

(d) Tiles

A. only b

B. b & d

C. b only c

D. b, a & d

45. Which of the following could be contributing factor to underachievement in mathematics?

A. Gender

B. Socio-cultural background

C. Nature of Mathematics

D. Innate ability of person

46. Which of the following is the most appropriate strategy to explain that $\frac{1}{4}$ is less than $\frac{1}{3}$?

A. Using LCM method

B. using paper strips

C. using Dienes blocks

D. using number chart

47. Which of the following is the most important aspect of making lesson plan while teaching Mathematics to primary school children?

A. following the sequence of text book.

B. presenting mathematical concepts in structured manner.

C. providing opportunities to students to allow construction of concepts.

D. writing activities and questions for reference.

48. Which of the following can NOT be considered a feature of a constructivist Mathematics classroom?

A. The role of language and dialogue in learning Mathematics is given due attention.

B. The teacher acknowledges that students may construct multiple understandings from a given interaction.

C. Objective type test items are used as the primary means of assessment.

D. Connections between Mathematics and other curricular areas are highlighted.

49. Which of the following statements is in agreement with the constructionist view of Mathematics?

A. Mathematics is about learning facts.

B. Mathematics are required to discover the 'truth' .

C. Mathematics is entirely objective.

D. Visualisation is an important aspect of Mathematics.

50. Which of the following activities is best suited for the development of spatial understanding among children?

A. Drawing the top view of a bottle

B. Locating cities on a map

C. Noting the time of moon rise

D. Representing numbers on a number line

51. Which of the following is NOT true with respect to the learning of Mathematics?

A. Ability to perform and excel in Mathematics is innate.

B. Teachers' beliefs about learners have powerful impact on learning outcomes.

C. Students' socio-economic background impacts their performance in Mathematics.

D. School's language of instruction can impact a child's performance in Mathematics.