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NATIONAL LEVEL SCIENCE TALENT SEARCH EXAMINATION

Solutions for Class : 4

MATHEMATICS

13. (A) Option (A) could be the three pieces of the cube when it is separated into three pieces.
15. (D) Breadth of the rectangle = 40 cm
Length = 3 × breadth = (3 × 40) m = 120 m
∴ Perimeter = 2(l + b) = 2(40 + 120)
= 2 × 160 = 320 mts.
29. (C) Only shape Z has a square shaped face.



31. (C) The word **DAD** given in option (C), is not symmetrical along the dotted line.
34. (C) Total number of students = 120 + 120 + 80 + 180 = 500
No. of students who scored less than 70 marks = 120 + 120 = 240
∴ The required fraction = $\frac{240}{500} = \frac{12}{25}$

GENERAL SCIENCE

69. (B) The given plants are classified based on habit as xerophytes or desert plants.
72. (C) Solar energy → Electrical energy → Light energy.
89. (C) Fish is rich in iodine. Iodine prevents the risk of goitre.
51. (B) Figure in Option (B) shows pushing force.

67. (C) Oxygen is given out of the leaf during photosynthesis. Carbon dioxide is taken in and glucose is made in leaves and transported to other parts of plant. The arrow marks should be pointed away from leaf and not towards the leaf.

CRITICAL THINKING

57. (A)
58. (B)
60. (D)
59. (A)
60. (D)