MATHS

BOOKS - MBD

JUST FOR FUN

Example

1. When water freezes its volume increases by 4%.What volumeof water is required to make $221cm^3$ of ice?

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2. If price of tea is increased by 20% , by what percent must the consumption be reduced to keep the expense the same ?

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3. Ceremony Awards began in 1958.There were 28 categories to win an award.In 1993,there were 81 cateories.

The awards given in 1958 is what per cent of the awards given in 1993?

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5. Out of a swarm of bees,one fifth settled on a blossom of Kadamba ,one third on a flower of Silindhiri and three times the difference between these two numbers flew to the blosssonKutaja.Only ten bees were the left from the swam.Whatwas the number of bees in the swarm?(Note,Kadamba,Silindyhiri anbd Kutaja are flowering trees.The problem is fom the ancient Indian text on algebra.)

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6. In compouting the area of a square,Shekhar used the formula for area of a square,while his friend Marooof used the formula for perimeter of a square.Interestingly their answers were numerically same.Tell me the number of units of the side of the square they worked out.

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7. The area of a square is numerically less than six times its side.List some squares in which

this happens.

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8. Is it possible to have a right circular cylinder to have volume numerically equal to its curved surface area?If yes state when.

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9. Leela invited some friends for tea on her birthday.Her mother placed some plates and

some puris on a table tobe served.If Leela places 4 puries in each plate 1 plate would be left empty But if she places 3 puries in each plate 1 puri would be left.Find the number of plates and number of puries on the table.

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10. Is there a number which is equal to its cube but not equal to its square ?If yes find it.

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11. Arrange the numbers from 1 to 20 in a row such that the sum of any two adjacent numbers is a perfect square.

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