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**SUBJECT: MATHEMATICS**

**Q.1 PRIME TARGET**

**Which two prime numbers, when added, equal these even numbers?**

(i) ___ + ___ = 4

(ii) ___ + ___ = 6

(iii) ___ + ___ = 10

(iv) ___ + ___ = 12

(v) ___ + ___ = 18

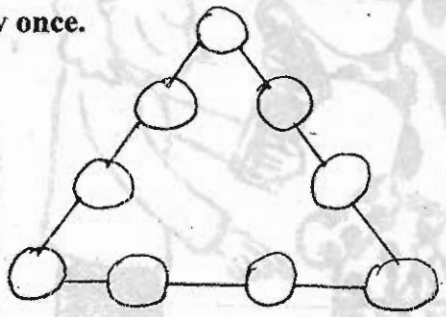
(vi) ___ + ___ = 24

**Q.2 CLOCKING IN**

**At what time do the digits of a digital clock have the greatest sum? Fill in the digits on the clock. Write the sum of the digits in the box at right.**

**Q.3 UNLUCKY TRIANGLE**

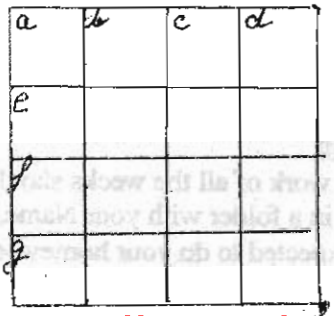
**Put the numbers 0 to 8 in the nine circles on the triangle. Each side of the triangle must add upto unlucky 13. Use each digit only once.**



**Q.4 RONAN SQUARE**

**This puzzle works like a crossword puzzle, except it uses Roman numerals. Change the numbers in the clues to Roman numerals. Then write the Roman numerals in the grid.**

| Across | Down |
|---|---|
| a. 1300 | a. 1120 |
| e. 145 | b. 116 |
| f. 17 | c. 152 |
| g. 13 | d. 107 |

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**Q.5 YEAR TO YEAR**

**What do the years 1771, 1881, 1991 have in common? Write the next two years in the same pattern? _____ & _____.**

**Q.6 TRIPLE PLAY**

**Study this number pattern to find the answer. No calculators are allowed.**

**4 × 4 = 16**

**34 × 34 = 1156**

**334 × 334 = 111,556**

**3334 × 3334 = _____**

**33334 × 33334 = _____**

**Q.7 FRUIT BOWL**

**How many units does each fruit weigh? If**

**Cherry + cherry + pear = 10 units**

**Cherry + apple + pear = 12 units**

**Cherry + pear + pear = 11 units**

**Then,**

**1 cherry = _____ units,1 pear = _____units and 1 apple = _____ units.**

**Q.8 Connect all the nine points below with exactly 4 connected straight lines without lifting your pencil off the paper.**

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**Q.9 Sketch and colour 4 different symmetrical objects found in nature, architecture etc. On coloured A4 size sheets (one on each). Use a red pen to draw the line of symmetry on each of your picture.**

**Q.10 Solve the following:**

**(i) Arrange the fractions in their descending order:** $\frac{3}{5}, \frac{4}{7}, \frac{8}{9}$ & $\frac{9}{11}$.

**(ii) Evaluate: 6202.5 + 620.25 + 62.025 + 6.2025 + 0.62025**

**(iii) Simplify: 4 + 5 – 7 + 8 × 5 – 12 × 2 ÷ 8 + 6 – 3 + 20 ÷ 2**

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