| CHENNAI PUBLIC SCHOOL <br> $\Leftrightarrow$ Anna Nagar $\diamond$ Chennai -600 101 |
| :---: |
| Holiday homework - class IV MATHEMATICS |

## SUDOKU PUZZLES

Fill the blanks using numbers 1 to 4 (for the first three puzzles) 1 to 6 (for the last puzzle). Every row, column and inner box must contain all specified digits with no number repeated.


|  |  | 2 | 1 |
| :--- | :--- | :--- | :--- |
| 1 | 2 |  |  |
| 2 |  | 3 | 4 |
|  | 4 |  |  |




Add all columns and rows to fill in the blocks. Circle the greatest number that is summed up.

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| 4 | 1 | 5 | 2 |  |
| :--- | :--- | :--- | :--- | :--- |
| 6 | 1 | 1 | 5 |  |
| 4 | 8 | 2 | 2 |  |
| 3 | 3 | 1 | 0 |  |
|  |  |  |  |  |

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Add to the top


| Across | Down |  |
| :---: | :---: | :---: |
| 1. $1 \times 11$ | 1. $11 \times 11$ | ${ }^{1} 2$ |
| $3.7 \times 3$ | $2.2 \times 5$ | 4 |
| $4.4 \times 5$ | $3.2 \times 12$ |  |
| $5.7 \times 2$ | $5.2 \times 6$ | 10 |
| $7.8 \times 9$ | $6.3 \times 5$ | $11 \times 12$ |
| $8.11 \times 5$ | 7. $10 \times 7$ | $14{ }^{145}$ |
| $9.6 \times 10$ | 8. $10 \times 5$ | $16 \times{ }^{17}$ |
| $10.5 \times 6$ | $9.9 \times 7$ |  |
| $11.11 \times 3$ | $10.8 \times 4$ |  |
| $12.7 \times 6$ | $11.7 \times 5$ |  |
| $13.9 \times 6$ | $12.4 \times 11$ |  |
| $14.7 \times 12$ | $13.8 \times 7$ |  |
| $16.6 \times 11$ | $14.9 \times 9$ |  |
| 17. $11 \times 10$ | $15.5 \times 8$ |  |

$$
\begin{aligned}
& 1=0 \quad 8=\mathrm{A} \quad 15=\mathrm{E} \quad 22=\mathrm{K} \\
& 2=\mathrm{H} \quad 9=\mathrm{V} \quad 16=\mathrm{X} \quad 23=\mathrm{R} \\
& 3=B \quad 10=T \quad 17=G \quad 24=W \\
& 4=\mathrm{L} \quad 11=\mathrm{J} \quad 18=\mathrm{D} \quad 25=\mathrm{U} \\
& 5=\mathrm{Q} \quad 12=\mathrm{C} \quad 19=\mathrm{P} \quad 26=\mathrm{Z} \\
& 6=M \quad 13=S \quad 20=1 \\
& 7=\mathrm{F} \quad 14=\mathrm{N} \quad 21=\mathrm{Y} \\
& \frac{\mathrm{~T}}{10} \frac{\mathrm{R}}{23} \frac{\mathrm{E}}{15} \frac{\mathrm{~A}}{8} \frac{\mathrm{~T}}{10} \quad \tau \frac{}{10} \frac{}{2} \frac{15}{23} \frac{}{13} \\
& \overline{8} \overline{13} \quad \overline{21} \overline{1} \overline{25} \quad \overline{24} \overline{25} \overline{4} \overline{18} \\
& \overline{4} \overline{20} \overline{22} \overline{15} \quad \overline{10} \overline{2} \overline{15} \overline{6} \quad \overline{10} \overline{1} \\
& \overline{10} \overline{23} \overline{15} \overline{8} \overline{10} \quad \overline{21} \overline{25}
\end{aligned}
$$

1. $5 \times 5=25$
$55 \times 5=275$
$555 \times 5=2775$
$5555 \times 5=$ $\qquad$
a) 2757575
b) 27777
c) 27775
d) 277775
2. Complete the pattern: $1,3,5,7,9,11,13,15$, $\qquad$ , $\qquad$
a) 17,20
b) 16,17
c) 17,19
d) None of these

The following pictograph shows how many cars were washed at the washing centre of a service station during four days of a week.

represents 5 cars
Monday

1. On which day were the maximum numbers of cars washed?
2. On which day were the minimum numbers of cars washed?
3. How many total cars were washed on Monday and Thursday altogether?

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Vertical rows, horizontal rows and diagonals all add up to the same amount in magic square. This total is known as the magic number or constant. Write the magic number in the bubble shown below.

Example:


