Maths Teacher, 7G
Demo School, City
Subject: Maths

The ASSET Teacher MyBook you have received will help you understand your students' strengths and weaknesses and also their performance compared to students across the country. It contains performance reports and practice questions on weak skills, along with explanations.

Described below are the different parts of Teacher MyBook and the information they contain.

Personalised Teacher Feedback: This letter is a report of your students' specific strengths and weaknesses.

Student Performance Table: This report provides individual students' question-wise performance.

Bird's Eye View: The Bird's Eye View shows a comparison of the performance of your students with the average national performance.

Year on Year Analysis - Same Batch: This report compares student performance over a year.lt compares the performance of the same batch of students compared to the previous year. Note: The analysis may not be valid if the number of students in the batch has changed significantly in the past two years.

Year on Year Analysis - Previous Batch: This report compares student performance over a year. It compares the performance of a specific class compared to the previous year.

Skill-based Summary: This report shows your students' performance in the different skills in a tabular form, highlighting the two strongest skills. It also shows how your students' performance in each skill compares to the national average (all other schools in India) in that skill.

Analysis of Easy/Difficult Questions: This part of the report shows questions that your students found easy and difficult compared to the national average. This information can be used by you to focus your attention on specific questions and skills.

Questions with Common Wrong Answer: We have chosen a few questions for which data highlights potential misconceptions that students might have. It also shows how your students have performed on these questions compared to all other schools in India.

Practice Questions and Explanation: If your school has registered for Student MyBook, each of your students would have received practice questions in their weak skills in the Student MyBook. Practice questions with two of your students' low-performing skills have been provided in this Teacher MyBook. Answers and explanations have also been provided.*

We recommend that you see the analysis with reference to the ASSET question paper provided with this report.

[^0]
## Dear Maths Teacher,

## Congratulations on receiving the ASSET test results!

ASSET is a diagnostic test that tells you which skills your students are strong in and which skills you need to help them develop further.

## The main strengths of your students in Maths are:

Measurement and data interpretation
Applications in daily life: word/visual problems

## The main weaknessess of your students in Maths are:

Geometry: concepts and applications
Number sense, related competency and computation skills

This booklet has been designed to help you work on your students' weak skills. It provides studentwise data and also highlights questions that your students have found easy or difficult.

Read through the analysis carefully to know how your students did on each skill. You can use different sections of the booklet (described on the front inside cover) to identify weak areas and also discuss specific questions in class to address misconceptions.

If your students have registered for MyBook, they too would have received personalised booklets that will help them practise their weak skills. You can go through individual students' MyBooks to understand what each one's weak skills are.

Do use these in class and let us know if they helped and share any other comments or suggestions. You can email us at feedback@ei-india.com.

By helping your students work on their weak areas, you can easily help them improve and do better!

Best of luck!


[^1]|  |  | Question No: $\rightarrow$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |  |  | ¢ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Student $\downarrow$ | Correct Answers $\rightarrow$ | C | D | C | B | C | C | A | D | D | B | C | A | C | C | D | D | B | C | B | B | C | B | B | D | B | B | A | A | B | A | C | A | C | B | C | D | D | A | B | C | u | $\begin{aligned} & \text { U } \\ & \text { U } \end{aligned}$ | - |
| 1 | Aditi S Patel |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | A | 35 | 98 |  |
| 2 | Akhil Bandi |  | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | D | B | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | D | 30 | 93 |  |
| 3 | Amod A Gawad |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | C | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | A | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | B | 28 | 89 |  |
| 4 | Arusha Gomber |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 34 | 97 |  |
| 5 | Bhavya Sharma |  | $\checkmark$ | $\checkmark$ | B | D | A | A | D | $\checkmark$ | C | C | $\checkmark$ | $\checkmark$ | D | A | $\checkmark$ | A | C | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | A | C | $\checkmark$ | D | C | B | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | A | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 18 | 62 |  |
| 6 | Gargi S Pande |  | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | A | A | D | D | $\checkmark$ | $\checkmark$ | C | C | A | A | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | B | C | D | $\checkmark$ | A | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | 21 | 73 |  |
| 7 | Isshira Seth |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | A | C | B | C | D | A | A | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | D | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | 24 | 81 |  |
| 8 | Jay Jithendra |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | A | A | B | $\checkmark$ | B | A | D | B | $\checkmark$ | A | $\checkmark$ | C | C | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | D | C | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | 21 | 73 |  |
| 9 | Jayanth N Kom |  | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | C | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | C |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | A | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | 27 | 87 |  |
| 10 | Jithin N Reddy |  | D | C | D | * | $\checkmark$ | A | D | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | D | B | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | A | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | A | 23 | 79 |  |
| 11 | Kanak T Mehta |  | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | A | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | B | A | $\checkmark$ | C | C | $\checkmark$ | D | A | A | D | D | $\checkmark$ | C | D | C | $\checkmark$ | $\checkmark$ | D | D | C | A | $\checkmark$ | $\checkmark$ | B | A | C | $\checkmark$ | * | 16 | 53 |  |
| 12 | Keya Kesani |  | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | B | B | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | A | D | C | B | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | C | $\checkmark$ | 25 | 83 |  |
| 13 | Manasa K Nand | ma | $\checkmark$ | B | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | B | A | B | B | B | A | C | C | C | A | A | C | $\checkmark$ | A | A | C | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | D | A | B | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | B | $\checkmark$ | D | 13 | 36 |  |
| 14 | Mohor Ghosal |  | $\checkmark$ | $\checkmark$ | A | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | A | D | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | 28 | 89 |  |
| 15 | Pranav Agrawal |  | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | 35 | 98 |  |
| 16 | Riddhi Rao |  | $\checkmark$ | $\checkmark$ | A | D | $\checkmark$ | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | A | A | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | B | $\checkmark$ | B | $\checkmark$ | A | A | B | $\checkmark$ | A | B | 24 | 81 |  |
| 17 | Rithvik T Rajash | ran | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | C |  | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | C | B | $\checkmark$ | C | C | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | C | D | C | B | $\checkmark$ | $\checkmark$ | D | 21 | 73 |  |
| 18 | Rittika Saha |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | C | $\checkmark$ | C | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | D | A | 32 | 95 |  |
| 19 | Sailaasya |  | A | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | B | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | B | B | C | A | A | A | $\checkmark$ | $\checkmark$ | A | B | $\checkmark$ | $\checkmark$ | C | B | C | C | $\checkmark$ | B | D | D | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | 17 | 58 |  |
| 20 | Sankeerth S |  | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | B | D | A | $\checkmark$ | C | A | B | $\checkmark$ | A | $\checkmark$ | B | A | B | C | A | A | $\checkmark$ | D | A | $\checkmark$ | D | C | $\checkmark$ | D | C | $\checkmark$ | C | D | $\checkmark$ | A | B | A | C | A | D | 12 | 30 |  |
| 21 | Shambhavi S Fit |  | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | A | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | B | $\checkmark$ | B | B | C | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | B | C | B | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | 23 | 79 |  |
| 22 | Sharanya V Rac |  | $\checkmark$ | $\checkmark$ | A | A | $\checkmark$ | B | D | $\checkmark$ | B | C | D | $\checkmark$ | A | $\checkmark$ | B | B | A | D | A | $\checkmark$ | D | $\checkmark$ | D | $\checkmark$ | C | C | D | $\checkmark$ | C | $\checkmark$ | B | C | $\checkmark$ | C | A | B | C | B | C | B | 12 | 30 |  |
| 23 | Shreya Kar |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | 37 | 99 |  |
| 24 | Sruthi Balakrish |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | A | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | A | 32 | 95 |  |
| 25 | Stuti Hegde |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | C | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | B | C | C | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | A | 28 | 89 |  |
| 26 | Tanvi Doshi |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | A | 37 | 99 |  |
| 27 | Thanish R Raj |  | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | B | B | D | $\checkmark$ | $\checkmark$ | C | A | B | $\checkmark$ | A | $\checkmark$ | B | A | B | C | A | A | $\checkmark$ | D | A | $\checkmark$ | D | C | $\checkmark$ | D | C | $\checkmark$ | C | D | $\checkmark$ | A | B | A | C | A | D | 12 | 30 |  |
| 28 | Vandana C |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | A | A | B | $\checkmark$ | B | A | D | D | $\checkmark$ | $\checkmark$ | A | C | C | A | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | D | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | B | C | D | 20 | 70 |  |
| 29 | Venkat S Yelisetty |  | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | C | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | C | $\checkmark$ | A | C | A | B | C | $\checkmark$ | C | $\checkmark$ | A | $\checkmark$ | $\checkmark$ | D | B | D | D | A | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | D | $\checkmark$ | A | 21 | 73 |  |
| 30 | Yashwin Shyam |  | $\checkmark$ | $\checkmark$ | D | A | B | $\checkmark$ | $\checkmark$ | C | A | $\checkmark$ | B | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | A | C | $\checkmark$ | D | A | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | A | D | $\checkmark$ | $\checkmark$ | A | $\checkmark$ | D | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | C | D | 22 | 76 |  |

[^2]
## Notes

 $\checkmark$ Indicates correct answer. A,B,C,D: Indicates student's incorrect answer. (Blank) indicates student omitted answer. * Indicates student chose more than one option.

The Bird's Eye View shows a comparison of the performance of your students with the national average performance.

Your class 7 G, has performed better than the national average in the Maths ASSET paper this year.

| Class 7 | Maths | No. of students |
| :---: | :---: | :---: |
| 7 | $70 \%$ | 2 |
| 7 G (Your Class) | $147 \%$ | 30 |
| 7 K | $152 \%$ | 32 |
| All sections combined | $147 \%$ | 64 |

## Performance as a percentage of National Average

$\square$ Above Average Range $\quad \square$ Below Average Range $\square$ Within Average Range

National average is taken as $100 \%$. The value in the table indicate performance as compared to the national average.
E.g. If the section average in Science is $40 \%$ and the national average is $60 \%$, then the table will show $(40 / 60) * 100=67 \%$. $95 \%$ to $105 \%$ is treated as similar to national average performance. Performance greater than $105 \%$ and below $95 \%$ is considered as performance above and below the national average range respectively.

## Raw Performance Data

Comparison of section average and best performance with all schools in the country.


## Comparison of performance of the same batch of students across different classes:

The graph below shows you how students' performance has changed over a year. The performance of students in class this year is compared to the performance of the same batch of students in their class in the previous year. (Note: The analysis may not be valid if the number of students in the batch has changed significantly in the past two years.)

| Class | Average <br> Performance | Performance in comparison <br> to National Average | No. of Students |
| :---: | :---: | :---: | :---: |
| 6G | 63.3 | $+17.79 \%$ | 22 |
| 7 G | 60.67 | $+19.32 \%$ | 30 |

7G (2016) vs 6G (2015)
Performance of the same batch of students


Your students in class 7 G have not improved in the average performance in Maths from last year.

## Comparison of performance of students of the current batch with the previous batch:

The following graph compares the performance of your current batch of students against the previous batch. The horizontal bars in the graph show how students of your class have fared against the national average in each skill across two years.

The thick black vertical line in the centre marks the national average.For example, a bar towards the right would mean that students performed higher than the national average that year in the particular skill.


This table shows how your students' performance compares to the overall school performance and the national average (all other schools in India). The skills with a '*' in the first column, if any, are those in which your students have performed better than the national average.
Class: 7 G
Subject: Maths
Number of Students: 30

| S.No. | Skill | Questions | Class 7 G Performance | Class 7 Performance (School) | Class 7 Performance (National) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Average | Average | Average |
| 1* | Number sense, related competency and computation skills | 6, 10, 19, 26, 31 | 49.3\% | 48.1\% | 33.2\% |
| 2* | Integers: concepts and applications | 15, 33, 34 | 71.1\% | 69.8\% | 45.5\% |
| 3* | Factors and multiples | 3, 4, 9 | 56.7\% | 58.9\% | 40.3\% |
| 4* | Fractions, decimals and ratios: concepts and applications | 27, 32, 36, 38, 39 | 65.3\% | 64.1\% | 38.8\% |
| 5* | Geometry: concepts and applications | 11, 18, 24 | 48.9\% | 51.6\% | 35.9\% |
| 6* | Mensuration: area and perimeter; concepts, computation | 1, 7, 12, 20, 29 | 57.3\% | 58.1\% | 37.2\% |
| 7* | Algebra: concepts and applications | 5, 16, 17 | 53.3\% | 54.2\% | 43.3\% |
| 8* | Applications in daily life: word/visual problems | 2, 14, 28, 30, 35 | 76.7\% | 76.2\% | 58.2\% |
| 9* | Measurement and data interpretation | 8, 21, 22 | 77.8\% | 76.0\% | 54.0\% |
| 10* | Problem solving: advanced or challenging problems | 13, 23, 25, 37, 40 | 52.0\% | 53.8\% | 32.1\% |

Note - The average preformance is calculated from the number of correct responses given by students to the questions constituting specific skills.

| Strong skills |  | Weak skills |  |
| :---: | :--- | :---: | :--- |
| 1. | Measurement and data interpretation | 1. | Geometry: concepts and applications |
| 2. | Applications in daily life: word/visual <br> problems | 2. | Number sense, related competency and <br> computation skills |

This part of the report shows questions that the children of your class found easy and difficult. This information can be used by you to focus your attention to specific questions and skills. You can also use the student performance table to focus on individual students. (Please refer to the ASSET paper for the complete text of these questions.)

## Questions which students of your school found the MOST DIFFICULT compared to the rest of the country:

Q Imran watched 30 episodes of a documentary series. Each day he watched two times the number $\overline{\mathbf{4 0}}$ of episodes he watched the previous day.

What is the LEAST number of episodes he could have watched on the first day?
A 15
B 10
C 2
D 1

Skill: Problem solving: advanced or challenging problems

| QNo. | Paper Code | Correct <br> Answer | \% answered correct <br> (your students) | \% answered correct <br> (all students) | Graph |  |
| :--- | :---: | :---: | :---: | :---: | :--- | :--- |
| 40 | 27 W | C | $20 \%$ | $33 \%$ | Your School |  |

Q For which type of quadrilateral(s) can the perimeter be calculated by knowing the length of just $\overline{\mathbf{1 8}}$ one of its sides?
A only a square
B only a square and a rectangle
C only a square and a rhombus
D all-a square, a rectangle and a rhombus

Skill: Geometry: concepts and applications

| QNo. | Paper Code | Correct <br> Answer | \% answered correct <br> (your students) | \% answered correct <br> (all students) | Graph |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :--- |
| 18 | 27 W | C | $30 \%$ | $36 \%$ | Your School |  |

Q Look at the two expressions below. The boxes represent the same arithmetic operation. $\overline{10}$
$24315 \square(12431-5)$
$24315 \square 12431-5$

What could be the operation in the box such that both give the same result?
A only $x$
B only +
C only + or -
D (Adding brackets will always give a different result.)
Skill: Number sense, related competency and computation skills

| QNo. | Paper Code | Correct <br> Answer | \% answered correct <br> (your students) | \% answered correct <br> (all students) | Graph |  |
| :---: | :---: | :---: | :---: | :---: | :--- | :--- |
| 10 | 27 W | B | $27 \%$ | $27 \%$ | Your School |  |

Questions which students of your school found the EASIEST compared to the rest of the country:

Q
$\underline{1}$

(Note: The graph is to scale.)
Which of the following is closest to the area of the shape?
A 4 sq cm
B 5 sq cm
C 6 sqcm
D 7 sq cm

Skill: Mensuration: area and perimeter; concepts, computation

| QNo. | Paper Code | Correct <br> Answer | \% answered correct <br> (your students) | \% answered correct <br> (all students) | Graph |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 27 W | C | $93 \%$ | $55 \%$ | Your School |  |

Q David ate $\frac{4}{5}$ of the custard kept in a container. The amount of custard remaining was 100 mL . $\underline{28}$

How much custard was there in the container before David ate some?
A 500 mL
B 400 mL
C 80 mL
D 20 mL

Skill: Applications in daily life: word/visual problems

| QNo. | Paper Code | Correct <br> Answer | \% answered correct <br> (your students) | \% answered correct <br> (all students) | Graph |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 28 | 27 W | A | $93 \%$ | $57 \%$ | Your School |  |
|  |  |  | All Schools |  |  |  |

Q Which of the following is MOST LIKELY TO HAVE BEEN the temperature at 12:30pm in Kolkata that $\underline{\underline{22}}$ day?
A $16.5^{\circ} \mathrm{C}$
B $26.5^{\circ} \mathrm{C}$
C $17^{\circ} \mathrm{C}$
D $31^{\circ} \mathrm{C}$

Skill: Measurement and data interpretation

| QNo. | Paper Code | Correct <br> Answer | \% answered correct <br> (your students) | \% answered correct <br> (all students) | Graph |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| 22 | 27 W | B | $90 \%$ | $55 \%$ | Your School |  |
|  |  |  | All Schools |  |  |  |

From the questions that students across the country have found the most difficult, we have chosen a few to highlight potential misconceptions that students might have. For each question, we have given a break-up (in percentage form) of the number of students choosing a particular option. This has been done both for the section of your school and all the students nationally. Compare these to find out how your students have performed.

We have highlighted in light grey the correct option and in dark grey the most common wrong answer, and provided an explanation of why students are choosing the most common wrong option. It is recommended that you discuss these questions with the students to uncover students' rationale in choosing the most common wrong option. (Please refer to the ASSET paper for the complete text of these questions.)

Q A rectangle is cut into 4 equal parts as shown below.
$\underline{20}$


What is the perimeter of EACH part compared to the perimeter of the rectangle?
A It is $\frac{1}{4}$ of the perimeter of the rectangle.
B It is $\frac{1}{2}$ of the perimeter of the rectangle.
C It is 4 times the perimeter of the rectangle.
D (Cannot conclude without knowing the length and breadth of the rectangle.)
The question tests the understanding of perimeter. Students selecting option B have correctly understood that the sum of the sides of each part is equal to half the perimeter of the big rectangle. Students selecting option A feel that since the rectangle is divided into 4 parts, each part has a perimeter which is $1 / 4$ of the perimeter of the big rectangle. Students selecting option C think that since the rectangle is divided into 4 parts the perimeter of each part will be 4 times that of the rectangle. Students selecting option D are not able to utilise the information in the question to find the perimeter of each part.

| Papercode: 27W, Question no: 20 |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Performance | Option A | Option B | Option C | Option D | No. of Students |
| Section | $63 \%$ | $30 \%$ | $7 \%$ | $0 \%$ | 30 |
| National | $53 \%$ | $18 \%$ | $10 \%$ | $18 \%$ | 6293 |

Q Shown below is a pattern of shapes formed using buttons.
$\underline{17}$


Figure 1


Figure 2


Figure 3

If the same pattern continues, how many buttons will be used in Figure $n$ ?
A $3 n-2$
(B) 2n-1
C $n+2$
D $n+1$

The question tests if students can translate the given pattern into an algebraic equation. Students selecting option B have recognised the pattern correctly and found the general term. Students selecting option A have crosschecked the expression with only the first figure. Students selecting option C have thought that since the number of buttons increases by 2 in every successive figure $n+2$ is the general term. Students selecting option D might have crosschecked the expression with only Figure 2.

| Papercode: 27W, Question no: 17 |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Performance | Option A | Option B | Option C | Option D | No. of Students |
| Section | $10 \%$ | $37 \%$ | $53 \%$ | $0 \%$ | 30 |
| National | $20 \%$ | $22 \%$ | $49 \%$ | $9 \%$ | 6293 |

Q For which type of quadrilateral(s) can the perimeter be calculated by knowing the length of just $\underline{\mathbf{1 8}}$ one of its sides?
A only a square
B only a square and a rectangle
C only a square and a rhombus
D all - a square, a rectangle and a rhombus

The question tests the understanding of perimeter and the properties of a rhombus. Students selecting option C have correctly understood that in a square and rhombus all the sides are equal and so perimeter can be calculated if one side is known. Students selecting option A might have thought that the perimeter of only a square can be calculated if one side is known as they may be used to applying the formula for this shape. Students selecting B have a lack of understanding of the properties of a rectangle and a rhombus. Students selecting option D have a lack of understanding of the properties of a rectangle.

| Papercode: 27W, Question no: 18 |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Performance | Option A | Option B | Option C | Option D | No. of Students |
| Section | $53 \%$ | $7 \%$ | $30 \%$ | $7 \%$ | 30 |
| National | $37 \%$ | $14 \%$ | $36 \%$ | $12 \%$ | 6293 |

This section has been specially designed for you to help students practise their low-performing skills. Try these out - discuss them in class, use them to learn what most students know and do not know and then plan your lessons accordingly. Answers and explanations have also been provided. Ask a blend of high-level, low-level, open-ended and close-ended questions to activate students' thinking.

Skill: Geometry: concepts and applications (49\%)
Q Which of the following will change the degree measure of angle PQR?
1


A rotating the entire angle PQR clockwise by $10^{\circ}$
B increasing the length of arm QP
C increasing the length of arm QR
D rotating arm QP clockwise by $10^{\circ}$, keeping arm QR fixed

## Explanation:

$D$ : The degree measure of $\angle P Q R$ is a measure of the amount by which you have to turn one of the arms of the angle, say PQ to coincide with the other, QR here. Increasing the length of one or both the arms of the angle does not change this. Rotating the entire angle also does not change this. But this is changed when we keep one arm fixed and rotate the other alone.

Q An angle larger than a right angle, but less than a straight angle (angle of measure $180^{\circ}$ ) is $\overline{\mathbf{2}}$ called an obtuse angle.

Shown here is a circle with centre O and 9 points $P, Q, R, S, T, U, V, W, X$ on the circle.


How many obtuse angles are there in the above circle such that one of the arms of the angles is OP and the other arm as any of the radii shown in the figure?
A 0
B 1
C 3
D 4

## Explanation:

C: An obtuse angle is an angle whose degree measure is greater than $90^{\circ}$, but less than $180^{\circ}$. With PO as one of the arms, we see that the measures of angles POU, POV and POW are greater than $90^{\circ}$, but less than $180^{\circ}$. So they are all obtuse angles. The measure of angle POX is $180^{\circ}$, so it is a straight angle and not an obtuse angle. So there are only 3 obtuse angles satisfying the given conditions.

Through what angle does the MINUTE hand of a clock turn in 10 minutes?
A $10^{0}$
[B $30^{\circ}$
C $45^{\circ}$
D $60^{\circ}$

## Explanation:

D: In an hour, the minute hand completes one full rotation, that is, it turns through $360^{\circ} .10$ minutes is one-sixth of an hour, so in 10 minutes the minute hand will turn through one-sixth of $360^{\circ}$, that is $60^{\circ}$.


Which of these streets are perpendicular to each other?
A MG Road and LBS Marg
B Market Road and MG Road
[C LBS Marg and Nehru Road
D (None of the streets shown in the map are perpendicular to each other.)

## Explanation:

C: Look at the angle formed by LBS Marg and Nehru Road. Doesn't it seem like a $90^{\circ}$ angle? So these streets are perpendicular as the angle between them is $90^{\circ}$. Market Road and MG Road are parallel to each other as the distance between them remains the same throughout.

Q Two lines / and $m$, in the same plane, are NOT parallel to each other. What can be said about 5 them?

A They will always intersect each other at $90^{\circ}$.
B They will intersect each other in one and only one point.
C They can intersect each other in more than one point in that plane.
D (We can't say for sure whether they will intersect each other or not.)

## Explanation:

B: Two lines I and $m$ in the same plane are said to be parallel if the distance between them remains constant throughout. So they do not intersect when extended. If the lines are not parallel then the distance between them changes. The distance keeps increasing to one side and keeps decreasing to the other side, as can be seen from the figure below.

The distance between the lines increases in this direction.


The distance between the lines decreases in this direction.

So if the lines are extended sufficiently to the side on which the distance between them decreases, at a certain stage, the distance reduces to zero, that is the lines intersect. So a pair of lines that are not parallel will definitely intersect, when extended sufficiently.

Q Aastha has a circular ring of radius 10 cm . She is trying to place sticks on it in such a way that $\frac{6}{6}$ both the ends of the stick are on the ring.


What is the length of the longest stick that she can place in this way?
A 10 cm
B 15 cm
C 20 cm
D 25 cm

## Explanation:

C: Can you see that the longest stick that can be placed with both ends on the ring will pass through the centre of the ring? So such a stick will be along the diameter of the ring. Now the length of the diameter is twice the length of the radius and so the length of the longest stick that can be placed is $2 \times 10=20 \mathrm{~cm}$.

Q Isosceles triangle PQR is symmetrical about axis m .


What is the measure of angle XPR?
A $35^{\circ}$
B $55^{\circ}$
C $70^{\circ}$
D $77.5^{\circ}$

## Explanation:

B: We are told that triangle $P Q R$ is isosceles. So $m \angle R=35^{\circ}$. The sum of the measures of the three angles in a triangle is $180^{\circ}$. So $m \angle Q P R=180-(35+35)=110^{\circ}$. Since the triangle is symmetrical about axis $m, m \angle Q P X=m \angle X P R$. So each of these would be half of $m \angle Q P R$, that is, $55^{\circ}$.

Q Shown here are two circles with centres $Q$ and $R$ respectively with different radii. What can be said $\overline{8}$ about $\triangle \mathrm{PQR}$ ?


A It is a scalene triangle.
B It is an isosceles triangle.
C It is an equilateral triangle.
D (None of the above can be said as the radii of the two circles are not known.)

## Explanation:

$B$ : Since $R$ is the centre of the larger circle, $R P$ and $R Q$ are radii of the circle. So they are of equal lengths. So triangle PQR has 2 equal sides and so is an isosceles triangle.

## Skill: Number sense, related competency and computation skills (49\%)

$\frac{\mathrm{Q}}{1}$
Which of the following would be a correct way of calculating the value of $84560 \times 72$ ?
A adding $84500 \times 72$ and $60 \times 72$
B multiplying $845 \times 72$ and $60 \times 72$
C adding $845 \times 72$ and $60 \times 72$
D multiplying 84500+72 and $60+72$

## Explanation:

A: $85 \times 72$ is same as 85 times 72 , that is 80 times $72+5$ times 72 , that is $80 \times 72+5 \times 72$, right? Similarly, $84560 \times 72$ is the same as 84560 times 72 , that is 84500 times $72+60$ times 72, that is $84500 \times 72+60 \times 72$.

Q
M
Multiply by 5

$\qquad$


Number P is obtained on multiplying a whole number M by 5 and then adding 6 . What will be the remainder when P is divided by 5 ?

A 1
B 5
C 6
D Cannot be determined unless the number is known.

## Explanation:

A: M is multiplied by 5 to get N . So N is a multiple of 5 . Adding 6 to N is the same as adding 5 and then 1. That is $P=N+5+1$. Now if $N$ is a multiple of 5 , are you able to see that $N+5$ is a multiple of 5 too? So $N+6$, or $P$ will leave a remainder 1 when divided by 5 .

Q Shown below is a piece of information on the sale of passenger vehicles that appeared in a news $\overline{3}$ paper.

| PASSENGER VEHICLES SALES DATA (APR-DEC) (in lakhs) |  |
| :---: | :---: |
| PASSENGER CARS |  |
| 2006 | 2007 |
| 8.8 | 10.1 |
| UTILITY VEHILLES |  |
| 1.6 | 1.7 |
| MULTI PURPOSE VEHICLES |  |
| 0.7 | 0.6 |

How many 'multi purpose vehicles' were sold in the year 2006?
A 7000
B 70000
C 700000
D 7000000

## Explanation:

B: We see from the given information that 0.7 lakh multi purpose vehicles were sold. Now 1 lakh = 100 thousands. So 0.7 lakh is 70 thousands. ( $0.7=\frac{7}{10}, \frac{7}{10}$ of 100 is 70 ). So 70,000 multi purpose vehicles were sold.

Q
The numbers $0,1,2,3,4, \ldots .$. etc. are called whole numbers.
4
For two whole numbers, $\theta$ and $\downarrow$, which of the following will DEFINITELY be a whole number?
A $\theta$ -
B $\theta \times$
C $\theta$ \%
D All of the above.

## Explanation:

B: 3 and 4 are whole numbers. But is $\frac{3}{4}$ a whole number? No! What about $3-4$ ? Again not a whole number. So only $\theta \times$ will be a whole number when $\theta$ and are whole numbers.

Q Rajni noted down a friend's phone number as 246807 without realizing that she had interchanged $\overline{5}$ two digits. This number exceeds the actual number by almost 6000. What is the actual phone number?
A 248607
B 240867
C 247806
D 264807

## Explanation:

B: 246807 exceeds the actual telephone number by 6000 . Since the difference is in thousands, we can conclude that the thousands digit has been interchanged. Now we need to find with which digit it has been interchanged. If it had been interchanged with 2 , instead of 2 thousands we now have 6 thousands, so the number would differ by 4000 . Since the difference is 6000, it has been interchanged with 0 . So the actual number is 240867.
$\underline{6}$ ( Hint: You need not actually multiply the numbers. )
A $21 \times 23 \times 43 \times 45$
B $25 \times 26 \times 41 \times 43$
C $10 \times 15 \times 25 \times 30$
D $12 \times 17 \times 19 \times 20$

## Explanation:

A: 934605 ends in a 5 , it is an odd number and so does not have 2 as a factor. The product in option $C$ has 10 and 30 , so it will end in a 0 , similarly the product in $B$ has 20 , and so would end in 0 . In the product in option $B$, we have $25 \times 26 \times 41 \times 43$. This has 5 as a factor as 5 is a factor of 25 , and has 2 as a factor as 2 is a factor of 26 . So it has 10 as a factor and would end in a $0.21 \times$ $23 \times 43 \times 45$ is a product of 4 odd numbers and hence is odd, and it has 5 as a factor. So it could be 934605 .

## Q

$\frac{\mathrm{Q}}{\mathrm{Z}} 100-\square>40$
Which of the following could be the number in $\square$ ?
A 76
B 60
C 85
D 47

## Explanation:

D: Suppose you have 100 marbles. You give away some of them. The marbles that you have remaining is greater than 40 . So how many marbles did you give away? If you had given away 60, you would have 40 left. If you must have more than 40 remaining, you must give away less than 60 , right? So the number in the box should be less than 60 . Of the given options only 47 is less than 60.

## Q

Which of the following numbers will decrease by 300 when the 7 in it is replaced by a 4 ?
A 3079
B 4637
C 5743
D 7340

## Explanation:

C: We are told that the number decreases by 300 when 7 is replaced by 4 . Since the change in the number is in hundreds, the digit changed has to be at the hundreds place. So we have to look for a number which has 7 at the hundreds place. 5743 has 7 at the hundreds place. When it is replaced by 4 , we get 5443 and $5743-5443=300$. When the 7 in 7340 is replaced by 4 , it becomes 4340 , and so decreases by 3000 .




























































































[^0]:    * In English, if any reading comprehension skill is weak, practice with an entire passage has been provided. In Hindi, only for non-reading comprehension skills practice has been provided.

[^1]:    In case of queries, please write to us at feedback@ei-india.com or contact our customer care executive at the toll free number 1800-102-8885 (9 am-6 pm, Mon - Fri).

[^2]:    
    
    

