



THIRD PARTY ASSESSMENT REPORT

BLOCK : JHAJJAR

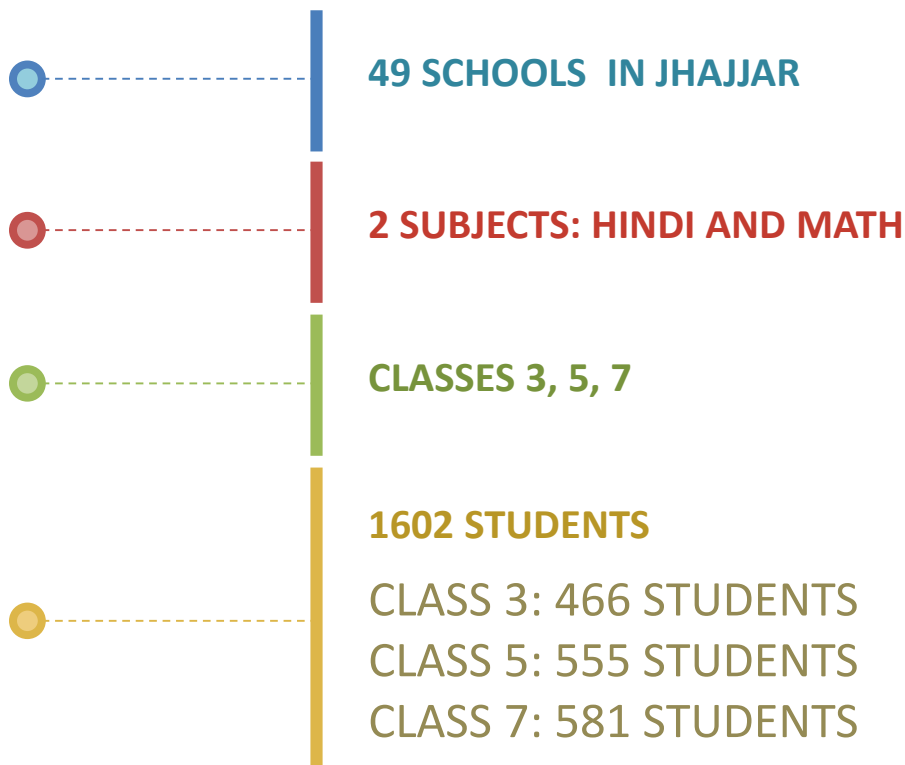
DATE: 22-11-2018

GRAY MATTERS INDIA

GRAY
MATTERS



STUDY OVERVIEW



REPORT OVERVIEW

The learning outcome assessments were conducted by Gray Matters India (GMI) at the block level to measure what percentage of students are at appropriate grade level. A minimum of 20 schools were randomly sampled in each block. The tests were administered in a standardized manner by independent proctors in each school.

This report presents percentage of students at grade level, comparison of scores with state average and abilities demonstrated by students in each class. GMI has reported all scores on a vertically integrated scale so that scores across grades are directly comparable along a common continuum.



HINDI LANGUAGE ASSESSMENT

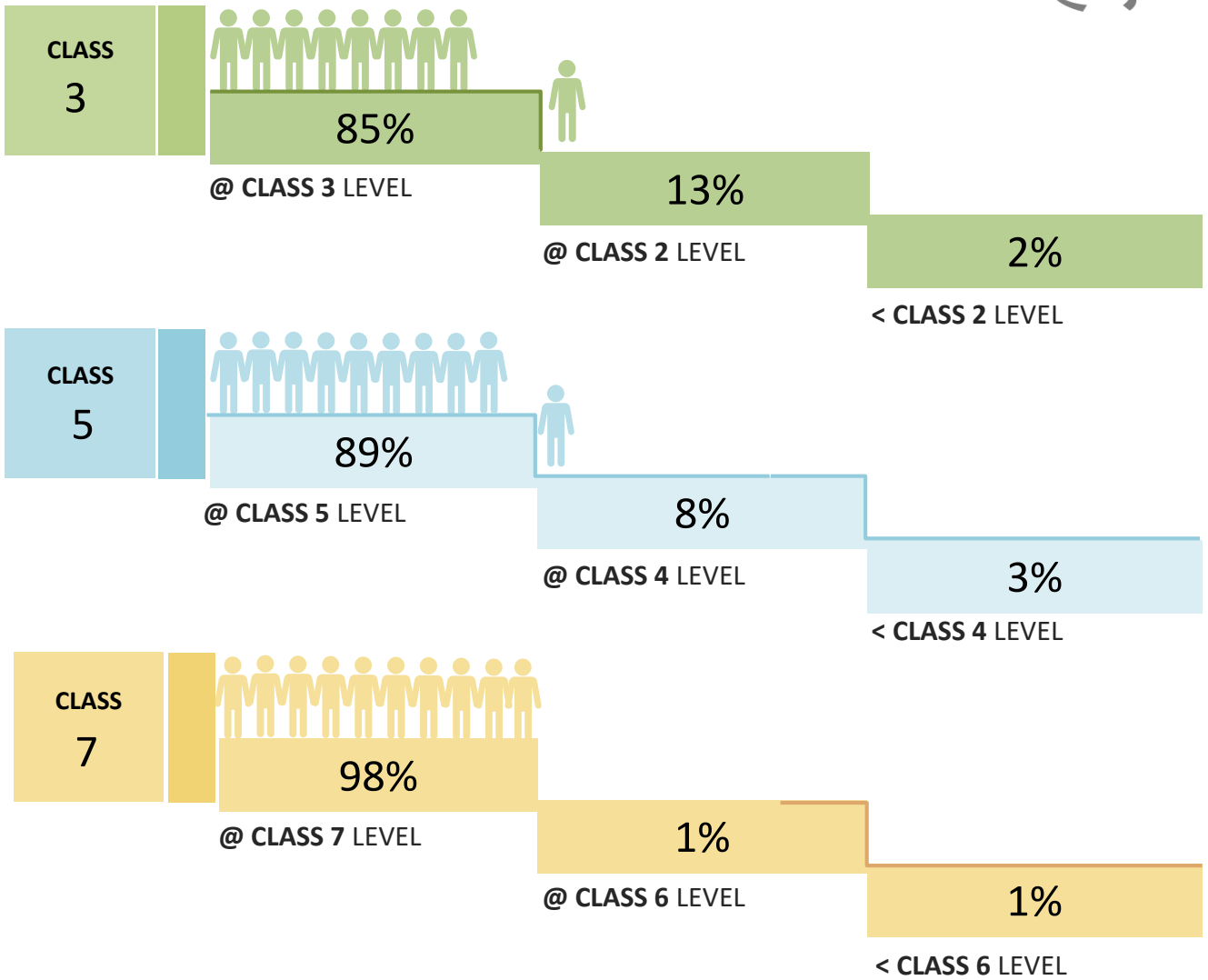
BLOCK : JHAJJAR



STUDENTS PERFORMANCE

% STUDENTS AT CLASS LEVEL

हिंदी

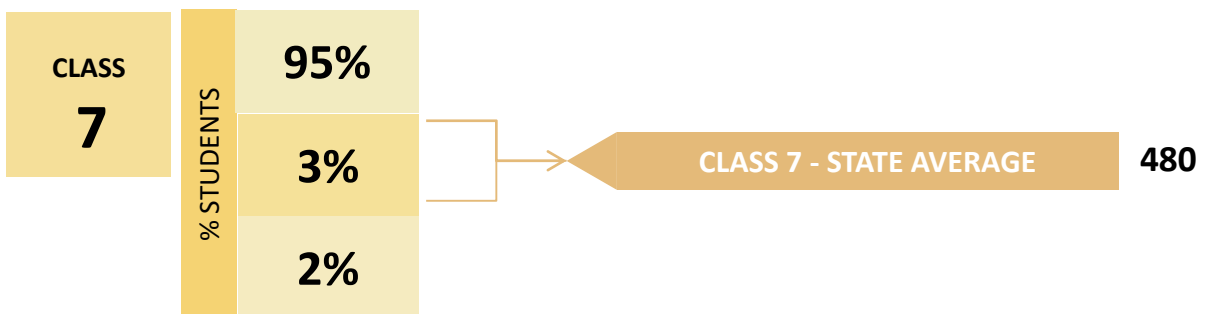
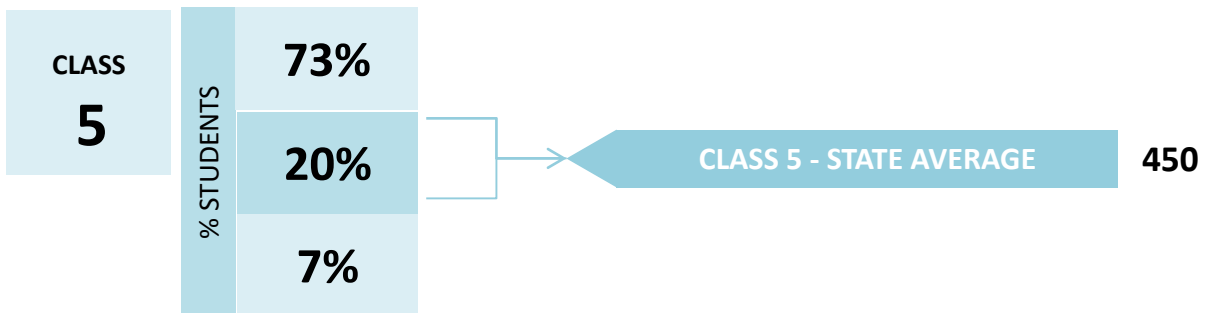
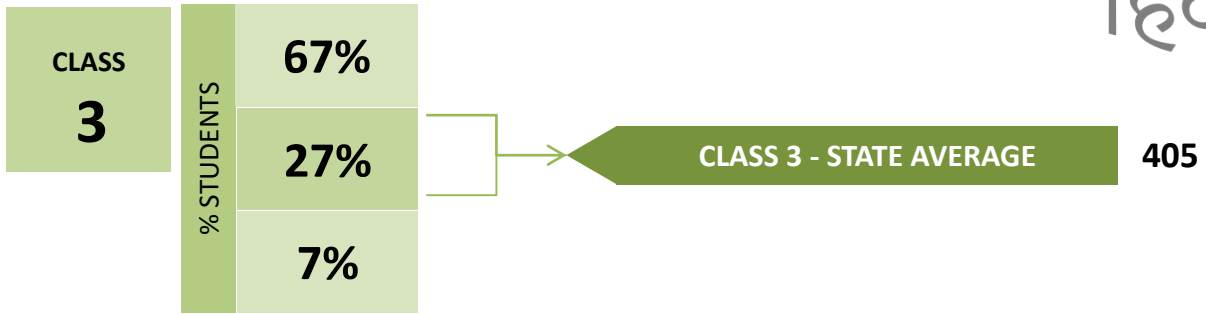


STUDENTS PERFORMANCE

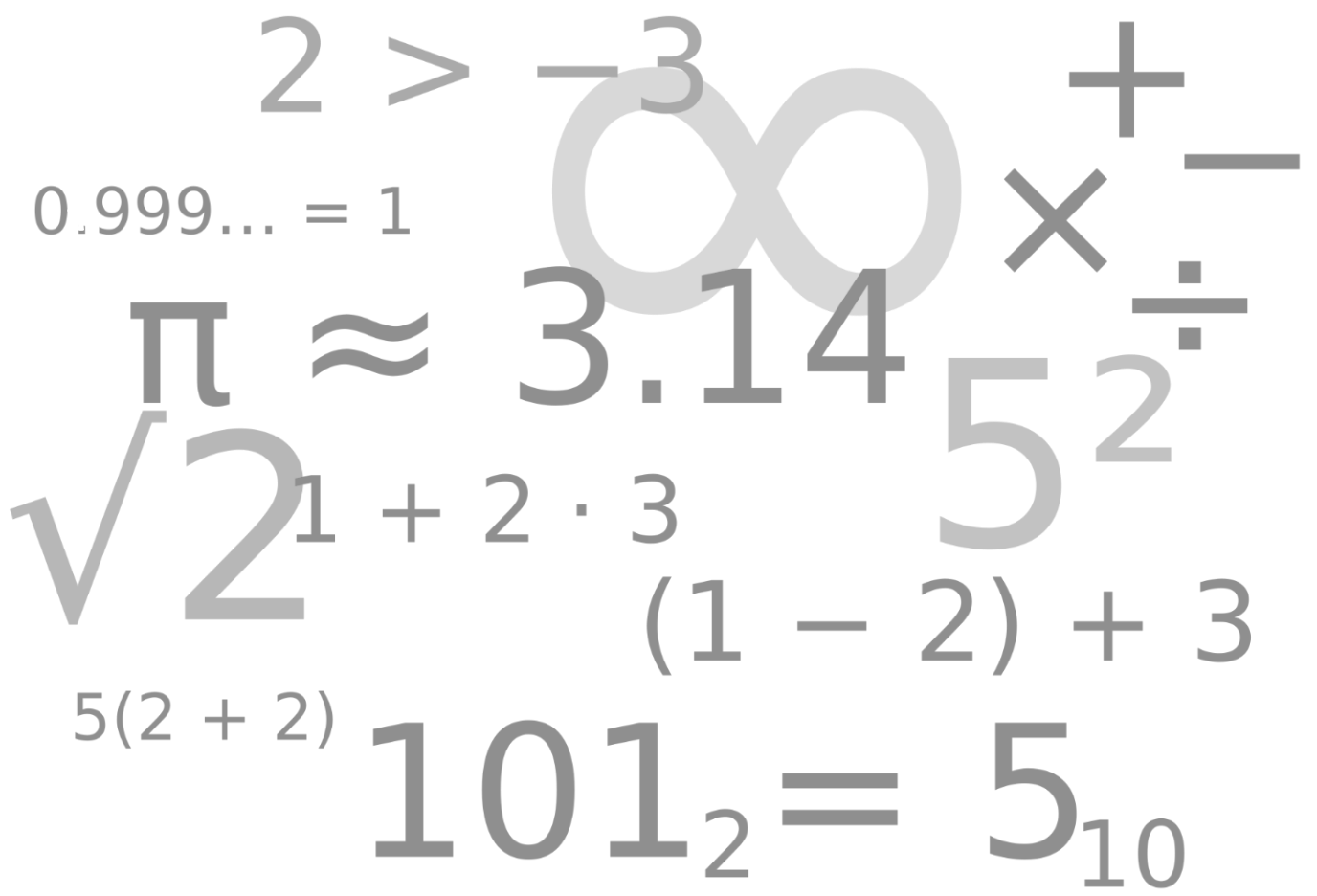
COMPARISON WITH STATE AVERAGE*

हिंदी

% Students at state avg level



*State Averages are adjusted according to the benchmark survey conducted in November 2017.



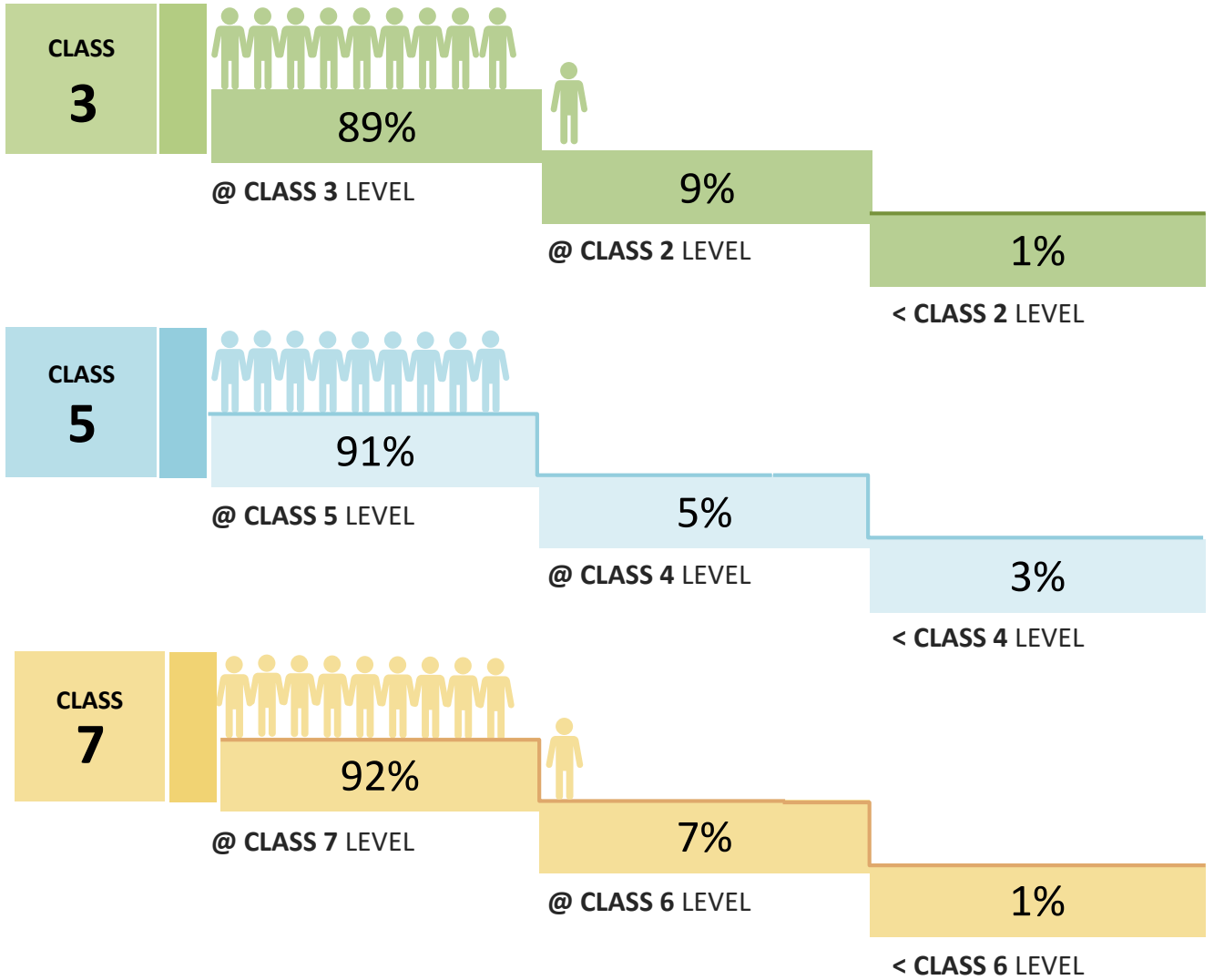
MATH APTITUDE ASSESSMENT

BLOCK : JHAJJAR

STUDENTS PERFORMANCE

% STUDENTS AT CLASS LEVEL

MATH

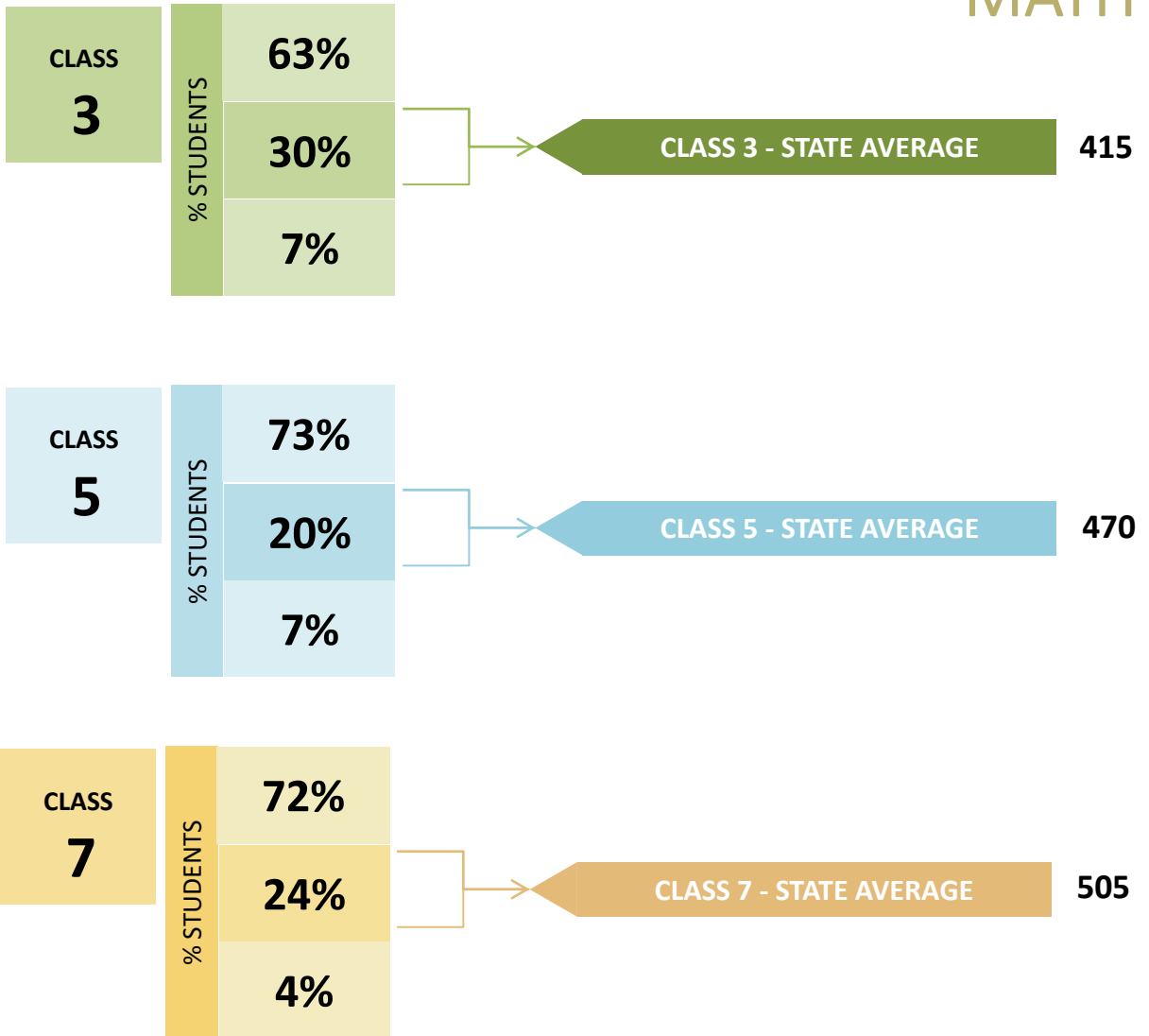


STUDENTS PERFORMANCE

COMPARISON WITH STATE AVERAGE*

MATH

% Students at state avg level



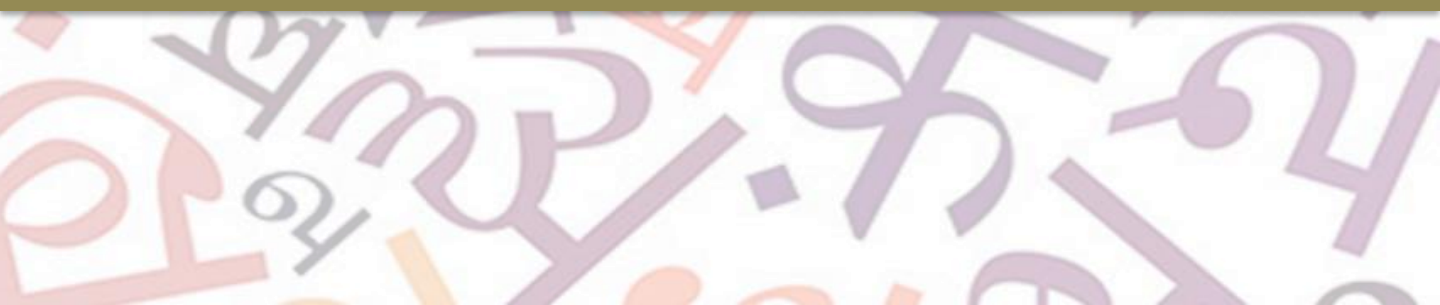
*State Averages are adjusted according to the benchmark survey conducted in November 2017.

$2 > -3$ $+$ $-$
 $0.999... = 1$ ∞ \times $-$
 $\pi \approx 3.14$ \div 2
 $\sqrt{2}$ $1 + 2 \cdot 3$ 5
 $(1 - 2) + 3$



APPENDIX

BLOCK : JHAJJAR



CLASS 3 – HINDI: ITEM SPECIFIC PERFORMANCE

STRAND	QUESTION DESCRIPTION	% CORRECT
Vocabulary	Identify parts of body based on a given picture	95%
	Identify the starting alphabet of an every day object shown in a picture	92%
	Identify the antonyms (opposite) of a word in sentence context	92%
	Associate a word with a related object shown as a picture	91%
	Classify animals as wild-domestic and differentiate the odd one in a group	90%
	Recognise multiple words that mean the same thing (homonyms)	84%
	Identify the word to replace a simple phrase used in a sentence	71%
	Recognise professions based on description in a sentence	70%
	Identify and describe the season shown in a picture	67%
	Differentiate two similar sounding words and use them appropriately	60%
Grammar	Recognise the correct verb to use in a given sentence	93%
	Recognise the correct pronoun for an animal in a given sentence	90%
	Recognise correct structure for a simple sentence	80%
	Construct a simple sentence using 3-4 jumbled phrases	79%
	Construct a simple sentence using 3-4 jumbled phrases	79%
	Identify the correct sentence to describe a given picture	79%
	Identify the plural form of a noun represented in pictures	73%
	Complete a complex sentence with appropriate predicate to the sentence	66%
Reading Comprehension	Retrieve direct information from competing information in 3-5 line text	93%
	Reflect and identify the author of a 3-5 line descriptive text	91%
	Infer the emotion of the author based on information in a notice	89%
	Read a 3-5 line text and retrieve directly stated information	88%
	Retrieve instruction provided in a short persuasive text	85%
	Interpret contextual meaning of unfamiliar words in a short persuasive text (Ex. Notice)	74%
	Identify stated vs. unstated information in a 7-8 line narrative text	65%
	Interpret the reason behind and occurrence in a 7-8 line narrative text	57%
	Interpret the cause-effect of an action described in 7-8 line narrative text	56%
	Retrieve directly stated information from the end of a 7-8 line narrative text	48%
	Read 2 descriptive sentences and identify true and false statements	48%
	Interpret the start and end of a journey by linking information across the text	44%

CLASS 5 – HINDI: ITEM SPECIFIC PERFORMANCE

STRAND	QUESTION DESCRIPTION	% CORRECT
Vocabulary	Recognise the appropriate adjective to use in given sentence	95%
	Identify the appropriate sound-word for a described situation	94%
	Construct a meaningful 5-letter words from a given set of alphabets	93%
	Match the profession to their duties based on a described situation	91%
	Recognise the correct spelling for grade-level word from competing options	86%
	Identify the incorrectly spelt word in a sentence	85%
	Interpret the meaning of an unfamiliar words using the context in which it is described	84%
	Identify the opposite of a word and use it appropriate in a sentence	83%
	Identify the pair of rhyming words from a given set of words	72%
	Differentiate between conjunctions and question words and pick the odd-one	64%
Grammar	Identify the appropriate verb to use based on sentence context	94%
	Identify the appropriate possessive pronoun to use in a given sentence context	93%
	Recognise the correct tense form of a verb to use in given sentence context	91%
	Identify the appropriate conjunction to use between 2 sentences	87%
	Construct a complex sentence using a set of 4-5 jumbled phrases	82%
	Recognise the noun, that a pronoun is referring to in a given sentence	80%
	Reconstruct a sentence given in present tense to past tense	77%
	Recognise the correctly punctuated and structured dialogue from a given set of competing options	8%
Reading Comprehension	Retrieve directly stated information from the beginning of a 10-12 line descriptive text	92%
	Interpret the reason for a character's action in 8-10 line story	91%
	Retrieve directly stated information from the middle of a 10-12 line descriptive text	88%
	Infer the impact of character's action on other characters in a 8-10 line narrative text	87%
	Interpret the effect of an action by linking information across sentences	87%
	Retrieve directly stated information from the middle of 8-10 line narrative text	85%
	Identify the action to be taken based on sequence of instructions in 10-12 line text	68%
	Find directly stated information in a 10-12 line descriptive text.	67%
	Reflect on the emotion conveyed by a given sentence in a 8-10 line narrative text	66%
	Read a sentence and identify the pair of opposite words in the sentence	65%
	Infer the meaning of an unfamiliar skill described in a biographical text, using the context	63%
	Interpret the sequence of events based in information provided in a biographical text	18%

CLASS 7 – HINDI: ITEM SPECIFIC PERFORMANCE

STRAND	QUESTION DESCRIPTION	% CORRECT
Vocabulary	Identify the meaning of an unfamiliar word using sentence context	97%
	Recognise multiple unfamiliar words that mean the same thing (homonyms)	94%
	Recognise rhyming words to a given unfamiliar word	94%
	Construct a meaningful 5-letter words from a given set of alphabets	93%
	Identify the appropriate connective words to use based on sentence context	93%
	Use appropriate adjective to describe a subject based on given sentence context	92%
	Use the appropriate phrase to describe the timing of an occurrence based on sentence context	91%
	Identify the correct idiomatic expression to use in a given situation	86%
	Categorise a set of given words (objects) based on their uses	83%
Grammar	Construct a simple sentence using 6-7 jumbled words	97%
	Identify the sentence with appropriate tense form of the verb to answer a given question	95%
	Identify the plural form of a noun to use in a sentence context	95%
	Recognise the appropriate noun-pronoun combination to use in given sentence	92%
	Differentiate between a structured sentence and set of words	87%
	Identify part of a sentence that is incorrect and the respective corrected version	87%
	Differentiate the positive and negative adjectives used in a sentence	80%
	Identify an incorrectly structured sentence from a set of similar sentences	79%
	Understand the use of punctuations (full stop, exclamation, question mark) appropriately	75%
Reading Comprehension	Infer the nature of a character whose actions are described in 2 sentences	95%
	Interpret the meaning of an unfamiliar words using the context in which it is described	95%
	Retrieve multiple pieces of stated information from the middle of a 8-10 line text	94%
	Retrieve stated information from amidst competing options in an 3-4 line information text	92%
	Retrieve multiple pieces of directly stated information from a 5-7 line information text	92%
	Retrieve information stated across multiple sentences in a 12-15 line descriptive text	91%
	Retrieve information from the middle of a 12-15 line descriptive text	71%
	Reflect and identify the nature of a story (ex. Fantasy, horror, sci-fi, etc)	65%
	Retrieve directly stated information from the beginning of a 12-15 line descriptive text	65%
	Differentiate stated vs unstated information in a 3-4 line information text	45%
	Interpret the sequence of events based in information provided in a biographical text	33%
	Read 2 descriptive sentences and infer the implication of an action	17%

CLASS 3 – MATH: ITEM SPECIFIC PERFORMANCE

STRAND	QUESTION DESCRIPTION	% CORRECT
Numbers and Operations	Add two digit numbers without carry over	94%
	Identify the smallest number from a set of two digit numbers	92%
	Find the missing number from the given number series	91%
	Find the total number of objects using two digit addition	91%
	Find the next number of the given two digit number	91%
	Complete a number series with one digit subtraction (subtract 1)	91%
	Identify the number in hundredths place of a given four digit number	81%
	Find the equivalent expression using addition for the given multiplication	78%
	Identify the number series which is in ascending order	73%
	Find the number of even numbers in the given set of numbers	69%
	Identify the expanded form of the given number	48%
	Arrange the given numbers in descending order	41%
Geometry and Measurements	Identify the object based on the description related to it's movement	94%
	Count the number of triangles in the given picture	90%
	Identify the matching pattern with 2D shapes	83%
	Identify the number that comes between the given numbers	82%
	Estimate the number of paper clips to match the length of a spoon using the depiction	82%
	Subtract two digit numbers with borrowing technique	81%
	Estimate the number of paper clips to match the length of a spoon using the depiction	82%
	Subtract two digit numbers with borrowing technique	81%
	Fill the missing number in a simple addition problem	76%
	Find the figure with colored parts are more than the uncolored parts	68%
	Identify visual patterns in the given set of 2D shapes	59%
	Find the number of cups needed to fill in a jug	51%
Everyday Math and Data Handling	Estimate the heaviest of the objects shown	94%
	Count the objects in the given figure and find the total number of objects with simple addition	94%
	Read data from a table and perform basic numeric operations	89%
	Find the next weeday from the calendar provided	83%
	Find the true statement related to the position of objects as shown in the picture shown	83%
	Find the object depicted most number of times in the given picture	75%

CLASS 5 – MATH: ITEM SPECIFIC PERFORMANCE

STRAND	QUESTION DESCRIPTION	% CORRECT
Numbers and Operations	Fill the missing number in a simple multiplication problem	90%
	Calculate the number of chocolates in a simple division problem	90%
	Identify the next number in the given series (add 7)	90%
	Find the number which is 7 less than the given number	88%
	Find the largest number among the given 8-digit numbers	87%
	Find the fraction of the un-colored part of the diagram shown	71%
	Find the fraction of the value given	65%
	Identify the number formed using the digits of different place values of given numbers	53%
	Fill in the next time in a given series of times	46%
	Find the tens place digit of the lowest number with any 2 digits	44%
Geometry and Measurements	Count the number of circles in the given picture	95%
	Calculate the weight of a mango given the weight stones of a simple balance	88%
	Find the remaining square shaped tiles needed to fill the remaining area	86%
	Find the figure with curved lines	85%
	Find the centre of the circle among the given dots marked on the circle	85%
	Find the next sequence of the pattern with 2D shapes	82%
	Estimate the capacity of container based on given capacity of smaller container	81%
	Find the true statement about the sizes of diameters and radii of two circles	59%
	Simple unit conversion problem	54%
	Find the perimeter of the given figure using measurements given	21%
Everyday Math and Data Handling	Calculate the end time given the start time and the duration of an event	84%
	Find the oldest date among the given dates in DD-MONTH-YYYY format	83%
	Find the total money given the denominations	82%
	Find direction by following given instructions on motion	82%
	Find the next figure of the given sequence of figures	82%
	Find the next figure of the given sequence of figures	82%
	Calculate the number of days in a simple division problem	72%
	Find the quantity depicted by a particular bar in a histogram	68%
	Identify the expression which shows time taken to travel a distance with the given speed	67%
	Find the date from the given calendar and a simple condition	21%

CLASS 7 – MATH: ITEM SPECIFIC PERFORMANCE

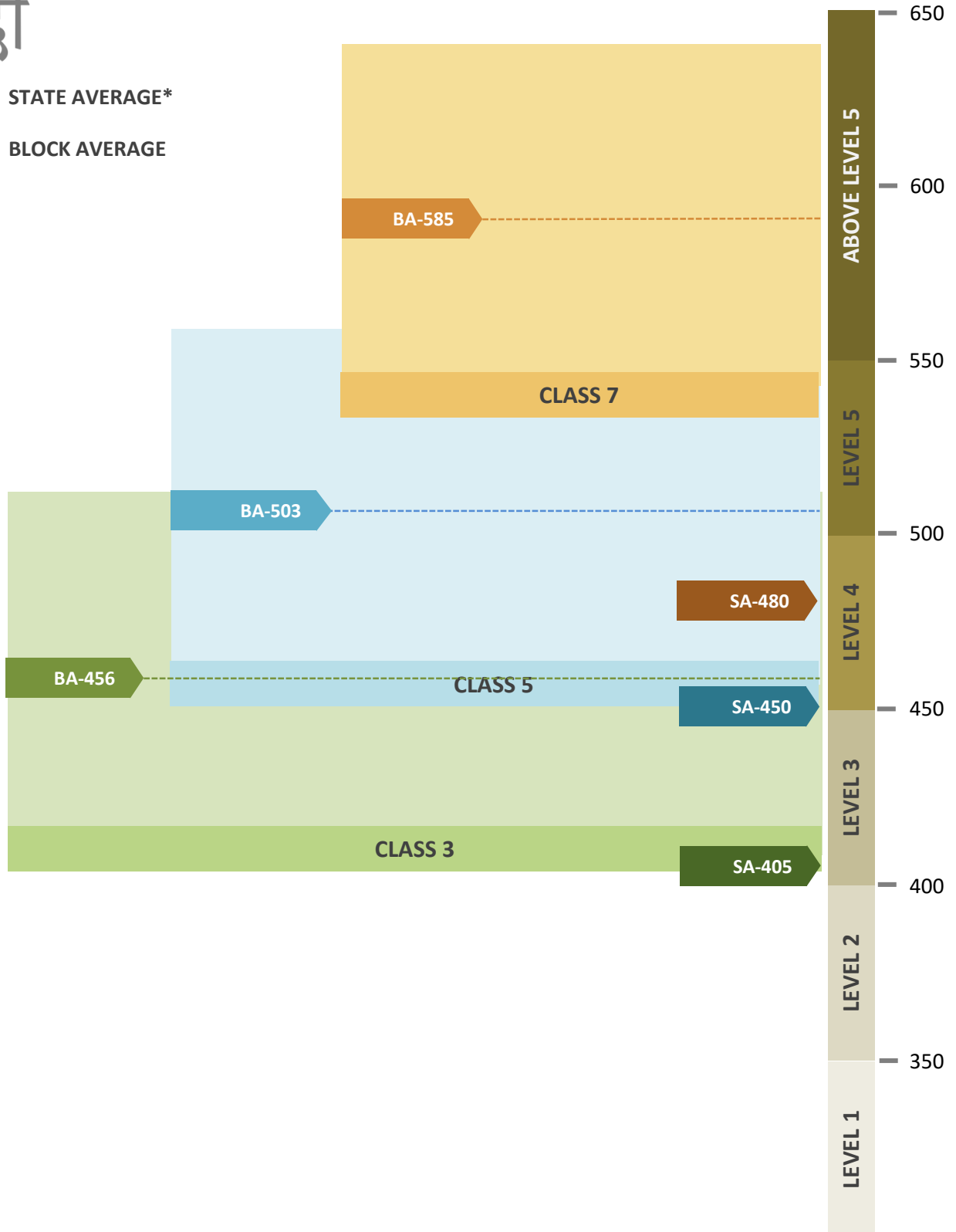
STRAND	QUESTION DESCRIPTION	% CORRECT
Numbers and Operations	Find the LCM of two single digit numbers	96%
	Find the number bottles that can be filled in a simple word problem	96%
	Find the relation between two opposite angles formed by the intersection of two straight lines	94%
	Find the number using the divisibility rule of the number 11	94%
	Fill in the blanks with greater than or less than where ever it is appropriate	93%
	Find the total price of the vegetables using data in a table	87%
	Convert the given word problem into a simple linear equation with two variables	82%
	Find the number of values in a table which are above average	80%
	Calculate fraction of a time spent watching TV in a multi-step word problem	78%
	Find the fraction of income spent on buying ration in a multi-step word problem	27%
Geometry and Measurements	Find the number of biscuits remaining in a multi-step word problem	96%
	Find the total weight with information provided about weight stones	95%
	Find the radius of a circle out of different line segments shown in the picture	94%
	Calculate the angle in a isosceles triangle given the unequal angle	92%
	Find the number of tiles needed to be filled in an incomplete figure given	92%
	Identify the type of the angle in the triangle formed in the given figure	84%
	Find the fraction of the un-colored part of the diagram shown	81%
	Find the adjacent angle in a parallelogram of the angle given	59%
	Find the external angle of the triangle given two internal angles	49%
	Find the area of the square with the length of the side given as a fractional number	46%
Everyday Math and Data Handling	Find the total money given the denominations	95%
	Addition with 2 place decimals in a simple word problem	94%
	Find the number of rotis in a multi-step word problem	92%
	Find the next one in the series formed using numbers and alphabets	88%
	Calculate the end time given the start time and the duration of an event	87%
	Suggest the direction back to home after a set of instructions on motion	60%
	Find the mirror image of the figure (badminton racket) given	59%
	Find the date from the given word problem	47%
	Interpret the data in a histogram and find the true statement	46%
	Calculate the start date given the end date and the duration of an event	41%

STUDENTS SCALE SCORES

PROGRESSION ACROSS CLASSES

हिंदी

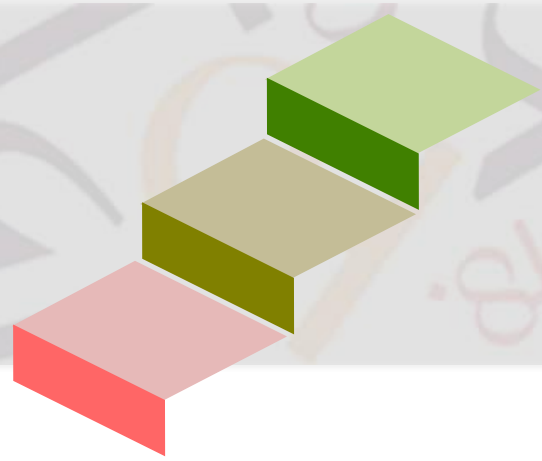
- SA STATE AVERAGE*
- BA BLOCK AVERAGE



*State Averages are adjusted according to the benchmark survey conducted in November 2017.

STUDENT ACHIEVEMENT LEVELS

LEVEL DESCRIPTIONS



हिंदी

> LEVEL 5 There were insufficient test items above Level 5 to create a general description of the level

550

LEVEL 5

Integrates grammatical elements to structure complex sentences. Reads & demonstrates comprehension of complex texts (scientific facts, biographies, etc)

- Uses verbal reasoning skills on scientific facts to make conclusions
- Recognises the correct conversational phrase to use in a given situation
- Understands use of complex punctuations like quotes and exclamation
- Retrieves complex scientific information from biographical/scientific passage
- Infers and identifies the protagonists in a narrative passage
- Constructs a complex sentence using 3-4 phrases that are jumbled

500

LEVEL 4

Understands grammatical structure. Reads unstructured passages. Demonstrates higher comprehension skills - Interpretation, Inference & Reflection

- Reflects on coherent alternate endings to narrative passage
- Reflects reason for characters' behaviours and emotions in a narrative passage
- Infers unstated information by linking information in different parts of a passage
- Interprets and understands rephrased information in a persuasive passage
- Retrieves information from sections of atypically structured information (Ex. flyer)
- Uses adjectives, comparatives and tense forms to construct complex sentences

450

LEVEL 3

Familiar with higher elements of grammar. Understands nuances of vocabulary. Demonstrates basic comprehension of simple passages (persuasive, narrative, tables)

- Infers the purpose and author's intent in different types of passages
- Interprets outcome of situations presented in narrative passage
- Correlates information presented in different rows /columns of a table
- Retrieves information from simple persuasive passages (ex. invitation)
- Constructs simple and complex sentences with grammatically correct phrases
- Identifies spelling for grade-level words, days of the week and uses quantity words
- Uses gender, simple tense, punctuations and adverbs based on sentence context

400

LEVEL 2

Familiar with basic grammar, commonly used words and expressions. Reads stories or simple tables to retrieve directly stated information

- Retrieves directly stated in short narrative passage (story) or from a table
- Reads paragraphs (3-5 lines) and retrieves information from competing information
- Recognises the correct sentence structure for a simple subject-verb sentence
- Identifies synonym, antonym of common words and meaning of common idioms
- Uses adjectives, conjunctions and plural forms based on given sentence context
- Understands use of basic pronouns and simple prepositions

350

LEVEL 1

Familiar with alphabets, commonly used words and simple sentences

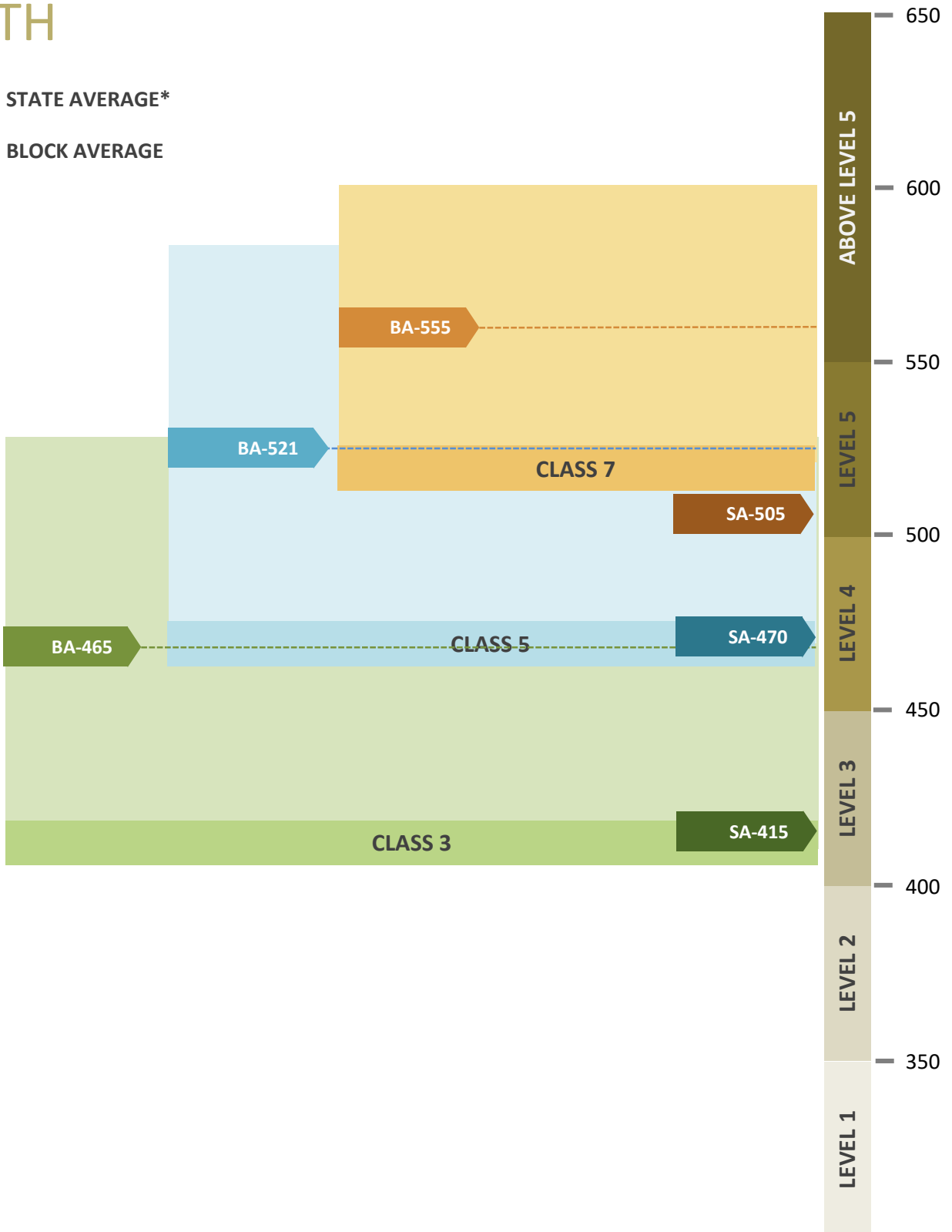
- Reads and retrieves information after reading 2 simple sentences
- Identifies the correct sentence structure for a simple sentence
- Recognises familiar words (name of places) based on given description
- Recognises commonly used words, parts of body or action words based on a picture
- Identifies the alphabets in a word based on given picture

STUDENTS SCALE SCORES

PROGRESSION ACROSS CLASSES

MATH

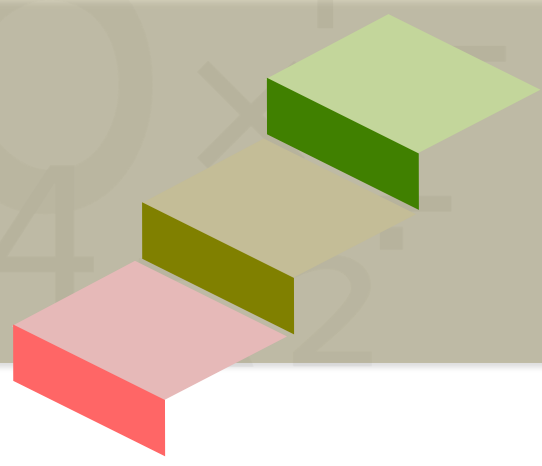
- SA STATE AVERAGE*
- BA BLOCK AVERAGE



*State Averages are adjusted according to the benchmark survey conducted in November 2017.

STUDENT ACHIEVEMENT LEVELS

LEVEL DESCRIPTIONS



MATH

> LEVEL 5	There were insufficient test items above Level 5 to create a general description of the level
550	Familiar with conversion of fractions to decimals/percentage, divisibility, average, bar graph <ul style="list-style-type: none"> Converts fraction to percentage Solves problems involving operations on decimals Solve visual patterns involving shapes using logical and abstract reasoning Understands angle properties of triangles and supplementary angles Calculates simple average of set of numbers given in a table or as a series Solve problems by converting 'm' to 'cm' Uses number scale to solve problems involving numeric operations Reads data from a bar graph and solves problems involving numeric operations using the data
500	Familiar with Kg-gm, l-ml, parallel lines, angles, fractions, factors, multiples, maps <ul style="list-style-type: none"> Follows directions in a map from a set of instructions (North, South, East, West, Right, Left) Understands the concept of factors and multiples Reads data from a table and performs basic numeric operations Identifies parallel lines and types of angles; solves problems using properties formed by an intersect Understands the concept of fraction and represents shaded portions of given shapes in fractions Solves word problems by using inverse relationship between speed and time Arranges dates in chronological order and calculates difference between two dates and time Measures/compares weights and solves problems by converting Kg to gm Calculates capacity of a glass and solves problems by converting litres to ml
450	Familiar with multiplication/division, 3D shapes, problems on time, money, weight, length <ul style="list-style-type: none"> Measures weight using grams and can solve multi-step word problems Solve money related word problems involving numeric operations Identify visual patterns given a set of 2D shapes Identify the day of the week from a calendar; reads time from a clock; adds two given times Solves 2 & 3-digit multiplication and division word problems and can link it to real-life situations Solves 3-digit addition and subtraction problems and can apply the concept to real-life situations
400	Familiar with 3-digit addition, 2-digit subtraction, length of objects, straight & curved lines <ul style="list-style-type: none"> Measures and compares the length of given objects using a cm scale Solves simple number series based on addition (2 digits) Identifies and counts straight and curved lines in a given picture Subtracts two digit numbers with carry over in both numerical and simple word problems Compares two digit numbers and identifies smallest and largest numbers in a given set Identifies place value of digits in a 2-digit number
350	Familiar with counting, 2-digit addition, 2D shapes and can compare size of objects <ul style="list-style-type: none"> Compares capacity of containers based on size without using units Adds two digit numbers given in the form of both numerical and simple word problems Identifies regular 2D shapes and count corners Counts the number of objects in a given picture