Block Map

25 Learning Blocks, aligned with national board guidelines and research-based international standards.

Block 1 — 7-Digit Numbers
Strand: Numbers
Students will understand that 6-digit numbers represent lakhs and 7-digit numbers represent ten lakhs.

Block 2 — Adding and Subtracting Numbers
Strand: Operations
Students will understand that procedures for operations (addition, subtraction) follow a familiar pattern with more digits.

Block 3 — Multiplying Numbers
Strand: Operations
Students will understand that the column method used to multiply numbers depends on the place of the digits.

Block 4 — Dividing 4-Digit by 2-Digit Numbers
Strand: Operations
Students will understand that we can divide 4-digit numbers by 2-digit numbers using the long division method, in which we start from the left and move to the right.

Block 5 — Highest Common Factor
Strand: Operations
Students will understand that we can use prime factorisation and continuous division to find the highest common factor (HCF).

Block 6 — Least Common Multiple
Strand: Operations
Students will understand that a number is a multiple of each of its factors and this can help find the least common multiple (LCM).

Block 7 — Comparing Fractions
Strand: Number Parts
Students will understand that fractions have a value and a position in a set of numbers, and they can be compared.

Block 8 — Adding and Subtracting Unlike Fractions
Strand: Number Parts
Students will understand that to add or subtract fractions with unlike denominators, they must be converted into equivalent fractions with like denominators.

Block 9 — Multiplying Fractions
Strand: Number Parts
Students will understand that multiplying fractions refers to finding a fraction of a number or repeatedly adding that fraction.

Block 10 — Maps
Strand: Geometry
Students will understand that a map is a small picture of an area which is drawn to scale and can be used to locate places.

Block 11 — Angles
Strand: Measurement
Students will understand that an angle is made by two rays that meet at a point and the size of the angle is measured in degrees.

Block 12 — Angle Measures
Strand: Measurement
Students will understand that angles are parts of shapes that help define them, and they can be drawn and measured in degrees by using a protractor.

Block 13 — Decimals, Tenths, Hundredths, Thousandths
Strand: Number Parts
Students will understand that a decimal point defines the value of each digit in a number and each number after it is less than 1 whole.

Block 14 — Adding and Subtracting Decimals
Strand: Number Parts
Students will understand that adding and subtracting with decimals, like in the case of whole numbers, relies on place value.

Block 15 — Shape Properties
Strand: Geometry
Students will understand that polygons are defined by properties that are related to their angles and their length of their sides.

Block 16 — 3-D Shapes as 2-D Shapes
Strand: Geometry
Students will understand that 3-D shapes can be represented as 2-D shapes in different ways in order to best show how the object would look.

Block 17 — Symmetry and Rotation
Strand: Geometry
Students will understand that some things in the environment are symmetrical along a line of symmetry and when rotated.

Block 18 — Patterns
Strand: Patterns and Relationships
Students will understand that patterns have repeated designs that are used for decoration in rangoli, Islamic art, clothes, and floor patterns.

Block 19 — Perimeter and Area
Strand: Measurement
Students will understand that perimeter is the measure of the boundary around a shape and area is the measure of the surface covered by a shape.

Block 20 — Length
Strand: Measurement
Students will understand that meters and millimeters can be represented by decimals because they are related by factors of 10 and the decimals make the calculations easier.

Block 21 — Weight and Capacity
Strand: Measurement
Students will understand that we can multiply and divide by ten to convert units within the metric system and use decimals to solve weight and capacity problems.

Block 22 — Volume
Strand: Measurement
Students will understand that volume is the space taken up by an object and is related to capacity.

Block 23 — Time on a Clock (to the second)
Strand: Measurement
Students will understand that we can convert the time from one unit to another to find the elapsed time.

Block 24 — Money
Strand: Measurement
Students will understand that we can calculate total expenses and profit or loss amounts.

Block 25 — Data Handling
Strand: Data Handling
Students will understand that data can be collected and represented using circle charts, bar graphs, and line graphs so that they are easier to read and understand.

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