

No.	Book	Content	Mark xx / 10	Teacher Sign.	Date
1. Integers					
1	NCERT	Activity 1: To divide integers using unit squares of different colours			
2	NCERT	Activity 2: To multiply integers using unit squares of different colours			
2. Fractions					
1	Ratna Sagar	Activity 1: To multiply fractions experimentally			
2	NCERT	Activity 1: To multiply a fraction by a number			
3	NCERT	Activity 2: To multiply two fractions			
4	NCERT	Activity 3: To divide a fraction by another fraction			
5	NCERT	Activity 4: To divide a fraction by a natural number.			
6	NCERT	Activity 5: To divide a natural number by a fraction			
7	NCERT	Activity 6: To divide a mixed fraction by a proper fraction			
3. Decimals					
1	Ratna Sagar	Activity 1: To multiply the decimal numbers by activity method			
2	NCERT	Activity 1: To multiply two decimals using a grid			
4. Data Handling - Mean, Median and Mode					
5. Data Handling - Bar Graphs					
1	NCERT	To collect data and represent this through a bar graph			
6. Data Handling - Probability					
1	NCERT	Activity 1: To understand the meaning of less likely and more likely of the outcomes of an experiment			
7. Simple Equations					

8. Lines and Angles					
1	Ratna Sagar	Activity 1: To verify that if two straight lines intersect at a point, then the vertically opposite angles are equal			
2	NCERT	Activity 1: To verify that vertically opposite angles are equal			
9. Parallel Lines					
1	Ratna Sagar	Activity 1: To verify that if two parallel lines are cut by a transversal, then the angles of each pair of corresponding angles are equal			
2	Ratna Sagar	Activity 2: To verify that if two parallel lines are cut by a transversal, then the angles of each pair of alternate interior angles are equal			
3	Ratna Sagar	Activity 3: To verify that if two parallel lines are cut by a transversal, then the sum of each pair of interior angles on the same side of the transversal is 180° .			
4	NCERT	Activity 4: To verify that when two lines intersect, vertically opposite angles are equal			
5	NCERT	Activity 5: To verify that if two parallel lines are intersected by a transversal			
10. Triangle and its Properties					
1	Ratna Sagar	Activity 1: To verify that the sum of the interior angles of a triangle is 180°			
2	Ratna Sagar	Activity 2: a. To obtain medians of a triangle by paper folding. b. To verify that in a triangle, medians pass through a common point (centroid) by paper folding.			
3	Ratna Sagar	Activity 3: To verify that an exterior angle of a triangle is equal to the sum of the two interior opposite angles.			
4	NCERT	Activity 1: To verify exterior angle property of a triangle			
5	NCERT	Activity 2: To verify that the sum of any two sides of a triangle is always greater than the third side			

6	NCERT	Activity 3: To verify that in a triangle sides opposite equal angles are equal			
7	NCERT	Activity 4: To draw altitudes of a triangle using paper folding			
8	NCERT	Activity 5: To make medians of a triangle by paper folding			
9	NCERT	Activity 6: To verify that the sum of three angles of a triangle is 180°			
11. Congruence					
1	NCERT	Activity 1: To verify that congruent triangles have equal area but two triangles with equal areas may not be congruent			
12. Comparing Quantities I - Ratio and Proportion					
13. Comparing Quantities II - Percentage, Profit and Loss, Simple Interest					
14. Rational Numbers					
15. Practical Geometry					
16. Perimeter and Area					
1	Ratna Sagar	Activity 1: To verify the formula for the area of a circle			
17. Algebraic Expressions					
1	Ratna Sagar	Activity 1: To find the value of the given algebraic expression consisting of one variable for different value of the variable by activity method			
2	NCERT	Activity 1: To add two algebraic expressions (polynomials) using different strips of cardboard			
3	NCERT	Activity 2: To subtract a polynomial from another polynomial [for example, $(2x^2 + 5x - 3) - (x^2 - 2x + 4)$]			
18. Exponents and Powers					
1	Ratna Sagar	Activity 1: To find the values of $2^0, 2^1, 2^2, 2^3$ by paper folding			
2	NCERT	Activity 1: To find the value of a^n (where a and n are natural numbers) using paper folding			

19. Symmetry					
1	Ratna Sagar	Activity 1: To determine the order of rotational symmetry of a parallelogram when it is rotated about the point of intersection of its diagonals			
2	NCERT	Activity 1: To find the order of rotational symmetry of a given figure			
20. Visualising Solid Shapes					
1	Ratna Sagar	Activity 1: To determine the shapes of the horizontal and vertical cross section of the following			