**Class VIII**

Here is a list of all of the skills students learn in class VIII! These skills are organised into categories, and you can move your mouse over any skill name to view a sample question. To start practising, just click on any link. IXL will track your score, and the questions will automatically increase in difficulty as you improve!

**Number theory**

1. [A.1Factors](https://in.ixl.com/math/class-viii/factors)
2. [A.2Divisibility rules](https://in.ixl.com/math/class-viii/divisibility-rules)
3. [A.3Prime or composite](https://in.ixl.com/math/class-viii/prime-or-composite)
4. [A.4Prime factorisation](https://in.ixl.com/math/class-viii/prime-factorisation)
5. [A.5Greatest common factor](https://in.ixl.com/math/class-viii/greatest-common-factor)
6. [A.6Least common multiple](https://in.ixl.com/math/class-viii/least-common-multiple)
7. [A.7HCF and LCM: word problems](https://in.ixl.com/math/class-viii/hcf-and-lcm-word-problems)
8. [A.8Classify numbers](https://in.ixl.com/math/class-viii/classify-numbers)

**Integers**

1. [B.1Integers on number lines](https://in.ixl.com/math/class-viii/integers-on-number-lines)
2. [B.2Graph integers on number lines](https://in.ixl.com/math/class-viii/graph-integers-on-number-lines)
3. [B.3Compare and order integers](https://in.ixl.com/math/class-viii/compare-and-order-integers)

**Operations with integers**

1. [C.1Integer addition and subtraction rules](https://in.ixl.com/math/class-viii/integer-addition-and-subtraction-rules)
2. [C.2Add and subtract integers using counters](https://in.ixl.com/math/class-viii/add-and-subtract-integers-using-counters)
3. [C.3Add and subtract integers](https://in.ixl.com/math/class-viii/add-and-subtract-integers)
4. [C.4Add and subtract three or more integers](https://in.ixl.com/math/class-viii/add-and-subtract-three-or-more-integers)
5. [C.5Add and subtract integers: word problems](https://in.ixl.com/math/class-viii/add-and-subtract-integers-word-problems)
6. [C.6Integer multiplication and division rules](https://in.ixl.com/math/class-viii/integer-multiplication-and-division-rules)
7. [C.7Multiply and divide integers](https://in.ixl.com/math/class-viii/multiply-and-divide-integers)
8. [C.8Simplify expressions involving integers](https://in.ixl.com/math/class-viii/simplify-expressions-involving-integers)
9. [C.9Evaluate variable expressions with integers](https://in.ixl.com/math/class-viii/evaluate-variable-expressions-with-integers)

**Rational numbers**

1. [D.1Identify rational and irrational numbers](https://in.ixl.com/math/class-viii/identify-rational-and-irrational-numbers)
2. [D.2Simplify fractions](https://in.ixl.com/math/class-viii/simplify-fractions)
3. [D.3Least common denominator](https://in.ixl.com/math/class-viii/least-common-denominator)
4. [D.4Round decimals and mixed numbers](https://in.ixl.com/math/class-viii/round-decimals-and-mixed-numbers)
5. [D.5Convert between decimals and fractions or mixed numbers](https://in.ixl.com/math/class-viii/convert-between-decimals-and-fractions-or-mixed-numbers)
6. [D.6Compare rational numbers](https://in.ixl.com/math/class-viii/compare-rational-numbers)
7. [D.7Put rational numbers in order](https://in.ixl.com/math/class-viii/put-rational-numbers-in-order)

**Operations with rational numbers**

1. [E.1Reciprocals and multiplicative inverses](https://in.ixl.com/math/class-viii/reciprocals-and-multiplicative-inverses)
2. [E.2Add and subtract rational numbers](https://in.ixl.com/math/class-viii/add-and-subtract-rational-numbers)
3. [E.3Add and subtract rational numbers: word problems](https://in.ixl.com/math/class-viii/add-and-subtract-rational-numbers-word-problems)
4. [E.4Apply addition and subtraction rules](https://in.ixl.com/math/class-viii/apply-addition-and-subtraction-rules)
5. [E.5Multiply and divide rational numbers](https://in.ixl.com/math/class-viii/multiply-and-divide-rational-numbers)
6. [E.6Multiply and divide rational numbers: word problems](https://in.ixl.com/math/class-viii/multiply-and-divide-rational-numbers-word-problems)
7. [E.7Apply multiplication and division rules](https://in.ixl.com/math/class-viii/apply-multiplication-and-division-rules)
8. [E.8Apply addition, subtraction, multiplication and division rules](https://in.ixl.com/math/class-viii/apply-addition-subtraction-multiplication-and-division-rules)
9. [E.9Simplify expressions involving rational numbers](https://in.ixl.com/math/class-viii/simplify-expressions-involving-rational-numbers)
10. [E.10Evaluate variable expressions involving rational numbers](https://in.ixl.com/math/class-viii/evaluate-variable-expressions-involving-rational-numbers)

**Exponents and roots**

1. [F.1Understanding exponents](https://in.ixl.com/math/class-viii/understanding-exponents)
2. [F.2Evaluate exponents](https://in.ixl.com/math/class-viii/evaluate-exponents)
3. [F.3Exponents: solve for the variable](https://in.ixl.com/math/class-viii/exponents-solve-for-the-variable)
4. [F.4Exponents with negative bases](https://in.ixl.com/math/class-viii/exponents-with-negative-bases)
5. [F.5Exponents with decimal and fractional bases](https://in.ixl.com/math/class-viii/exponents-with-decimal-and-fractional-bases)
6. [F.6Understanding negative exponents](https://in.ixl.com/math/class-viii/understanding-negative-exponents)
7. [F.7Evaluate negative exponents](https://in.ixl.com/math/class-viii/evaluate-negative-exponents)
8. [F.8Multiplication with exponents](https://in.ixl.com/math/class-viii/multiplication-with-exponents)
9. [F.9Division with exponents](https://in.ixl.com/math/class-viii/division-with-exponents)
10. [F.10Multiplication and division with exponents](https://in.ixl.com/math/class-viii/multiplication-and-division-with-exponents)
11. [F.11Power rule](https://in.ixl.com/math/class-viii/power-rule)
12. [F.12Simplify expressions involving exponents](https://in.ixl.com/math/class-viii/simplify-expressions-involving-exponents)
13. [F.13Square roots of perfect squares](https://in.ixl.com/math/class-viii/square-roots-of-perfect-squares)
14. [F.14Positive and negative square roots](https://in.ixl.com/math/class-viii/positive-and-negative-square-roots)
15. [F.15Estimate positive and negative square roots](https://in.ixl.com/math/class-viii/estimate-positive-and-negative-square-roots)
16. [F.16Relationship between squares and square roots](https://in.ixl.com/math/class-viii/relationship-between-squares-and-square-roots)
17. [F.17Evaluate variable expressions involving squares and square roots](https://in.ixl.com/math/class-viii/evaluate-variable-expressions-involving-squares-and-square-roots)
18. [F.18Cube roots of perfect cubes](https://in.ixl.com/math/class-viii/cube-roots-of-perfect-cubes)
19. [F.19Estimate cube roots](https://in.ixl.com/math/class-viii/estimate-cube-roots)

**Scientific notation**

1. [G.1Convert between standard and scientific notation](https://in.ixl.com/math/class-viii/convert-between-standard-and-scientific-notation)
2. [G.2Compare numbers written in scientific notation](https://in.ixl.com/math/class-viii/compare-numbers-written-in-scientific-notation)
3. [G.3Multiply numbers written in scientific notation](https://in.ixl.com/math/class-viii/multiply-numbers-written-in-scientific-notation)
4. [G.4Divide numbers written in scientific notation](https://in.ixl.com/math/class-viii/divide-numbers-written-in-scientific-notation)

**Ratios and proportions**

1. [H.1Understanding ratios](https://in.ixl.com/math/class-viii/understanding-ratios)
2. [H.2Equivalent ratios](https://in.ixl.com/math/class-viii/equivalent-ratios)
3. [H.3Equivalent ratios: word problems](https://in.ixl.com/math/class-viii/equivalent-ratios-word-problems)
4. [H.4Compare ratios: word problems](https://in.ixl.com/math/class-viii/compare-ratios-word-problems)
5. [H.5Unit rates](https://in.ixl.com/math/class-viii/unit-rates)
6. [H.6Do the ratios form a proportion?](https://in.ixl.com/math/class-viii/do-the-ratios-form-a-proportion)
7. [H.7Do the ratios form a proportion: word problems](https://in.ixl.com/math/class-viii/do-the-ratios-form-a-proportion-word-problems)
8. [H.8Solve proportions](https://in.ixl.com/math/class-viii/solve-proportions)
9. [H.9Solve proportions: word problems](https://in.ixl.com/math/class-viii/solve-proportions-word-problems)
10. [H.10Estimate population size using proportions](https://in.ixl.com/math/class-viii/estimate-population-size-using-proportions)
11. [H.11Rate of change](https://in.ixl.com/math/class-viii/rate-of-change)
12. [H.12Constant rate of change](https://in.ixl.com/math/class-viii/constant-rate-of-change)
13. [H.13Scale drawings and scale factors](https://in.ixl.com/math/class-viii/scale-drawings-and-scale-factors)

**Proportional relationships**

1. [I.1Identify proportional relationships](https://in.ixl.com/math/class-viii/identify-proportional-relationships)
2. [I.2Find the constant of variation: graphs](https://in.ixl.com/math/class-viii/find-the-constant-of-variation-graphs)
3. [I.3Find the constant of variation: word problems](https://in.ixl.com/math/class-viii/find-the-constant-of-variation-word-problems)
4. [I.4Graph a proportional relationship](https://in.ixl.com/math/class-viii/graph-a-proportional-relationship)
5. [I.5Write an equation for a proportional relationship](https://in.ixl.com/math/class-viii/write-an-equation-for-a-proportional-relationship)
6. [I.6Proportional relationships: word problems](https://in.ixl.com/math/class-viii/proportional-relationships-word-problems)

**Percents**

1. [J.1Convert between percents, fractions and decimals](https://in.ixl.com/math/class-viii/convert-between-percents-fractions-and-decimals)
2. [J.2Compare percents to fractions and decimals](https://in.ixl.com/math/class-viii/compare-percents-to-fractions-and-decimals)
3. [J.3Find what percent one number is of another](https://in.ixl.com/math/class-viii/find-what-percent-one-number-is-of-another)
4. [J.4Find what percent one number is of another: word problems](https://in.ixl.com/math/class-viii/find-what-percent-one-number-is-of-another-word-problems)
5. [J.5Estimate percents of numbers](https://in.ixl.com/math/class-viii/estimate-percents-of-numbers)
6. [J.6Percents of numbers and money amounts](https://in.ixl.com/math/class-viii/percents-of-numbers-and-money-amounts)
7. [J.7Percents of numbers: word problems](https://in.ixl.com/math/class-viii/percents-of-numbers-word-problems)
8. [J.8Compare percents of numbers](https://in.ixl.com/math/class-viii/compare-percents-of-numbers)
9. [J.9Solve percent equations](https://in.ixl.com/math/class-viii/solve-percent-equations)
10. [J.10Percent of change](https://in.ixl.com/math/class-viii/percent-of-change)
11. [J.11Percent of change: word problems](https://in.ixl.com/math/class-viii/percent-of-change-word-problems)

**Consumer maths**

1. [K.1Price lists](https://in.ixl.com/math/class-viii/price-lists)
2. [K.2Unit prices](https://in.ixl.com/math/class-viii/unit-prices)
3. [K.3Unit prices: find the total price](https://in.ixl.com/math/class-viii/unit-prices-find-the-total-price)
4. [K.4Percent of a number: VAT, discount and more](https://in.ixl.com/math/class-viii/percent-of-a-number-vat-discount-and-more)
5. [K.5Find the percent: discount and mark-up](https://in.ixl.com/math/class-viii/find-the-percent-discount-and-mark-up)
6. [K.6Sale prices: find the original price](https://in.ixl.com/math/class-viii/sale-prices-find-the-original-price)
7. [K.7Multi-step problems with percents](https://in.ixl.com/math/class-viii/multi-step-problems-with-percents)
8. [K.8Estimate tips](https://in.ixl.com/math/class-viii/estimate-tips)
9. [K.9Simple interest](https://in.ixl.com/math/class-viii/simple-interest)
10. [K.10Compound interest](https://in.ixl.com/math/class-viii/compound-interest)

**Problem solving**

1. [L.1Multi-step word problems](https://in.ixl.com/math/class-viii/multi-step-word-problems)
2. [L.2Guess-and-check word problems](https://in.ixl.com/math/class-viii/guess-and-check-word-problems)
3. [L.3Use Venn diagrams to solve problems](https://in.ixl.com/math/class-viii/use-venn-diagrams-to-solve-problems)
4. [L.4Elapsed time word problems](https://in.ixl.com/math/class-viii/elapsed-time-word-problems)

**Data and graphs**

1. [M.1Interpret tables](https://in.ixl.com/math/class-viii/interpret-tables)
2. [M.2Interpret bar graphs](https://in.ixl.com/math/class-viii/interpret-bar-graphs)
3. [M.3Create bar graphs](https://in.ixl.com/math/class-viii/create-bar-graphs)
4. [M.4Interpret line graphs](https://in.ixl.com/math/class-viii/interpret-line-graphs)
5. [M.5Create line graphs](https://in.ixl.com/math/class-viii/create-line-graphs)
6. [M.6Interpret line plots](https://in.ixl.com/math/class-viii/interpret-line-plots)
7. [M.7Create line plots](https://in.ixl.com/math/class-viii/create-line-plots)
8. [M.8Create and interpret line plots with fractions](https://in.ixl.com/math/class-viii/create-and-interpret-line-plots-with-fractions)
9. [M.9Interpret stem-and-leaf plots](https://in.ixl.com/math/class-viii/interpret-stem-and-leaf-plots)
10. [M.10Interpret histograms](https://in.ixl.com/math/class-viii/interpret-histograms)
11. [M.11Create histograms](https://in.ixl.com/math/class-viii/create-histograms)
12. [M.12Create frequency charts](https://in.ixl.com/math/class-viii/create-frequency-charts)
13. [M.13Interpret circle graphs](https://in.ixl.com/math/class-viii/interpret-circle-graphs)
14. [M.14Circle graphs and central angles](https://in.ixl.com/math/class-viii/circle-graphs-and-central-angles)
15. [M.15Choose the best type of graph](https://in.ixl.com/math/class-viii/choose-the-best-type-of-graph)

**Pythagorean theorem**

1. [N.1Pythagoras' theorem: find the length of the hypotenuse](https://in.ixl.com/math/class-viii/pythagoras-theorem-find-the-length-of-the-hypotenuse)
2. [N.2Pythagoras' theorem: find the missing leg length](https://in.ixl.com/math/class-viii/pythagoras-theorem-find-the-missing-leg-length)
3. [N.3Pythagoras' theorem: find the perimeter](https://in.ixl.com/math/class-viii/pythagoras-theorem-find-the-perimeter)
4. [N.4Pythagoras' theorem: word problems](https://in.ixl.com/math/class-viii/pythagoras-theorem-word-problems)
5. [N.5Converse of Pythagoras' theorem: is it a right triangle?](https://in.ixl.com/math/class-viii/converse-of-pythagoras-theorem-is-it-a-right-triangle)

**Coordinate graphs**

1. [O.1Points on coordinate graphs](https://in.ixl.com/math/class-viii/points-on-coordinate-graphs)
2. [O.2Quadrants and axes](https://in.ixl.com/math/class-viii/quadrants-and-axes)
3. [O.3Coordinate graphs as maps](https://in.ixl.com/math/class-viii/coordinate-graphs-as-maps)

**Geometry**

1. [P.1Lines, line segments and half lines](https://in.ixl.com/math/class-viii/lines-line-segments-and-half-lines)
2. [P.2Identify complementary, supplementary, vertical, adjacent and congruent angles](https://in.ixl.com/math/class-viii/identify-complementary-supplementary-vertical-adjacent-and-congruent-angles)
3. [P.3Find measures of complementary, supplementary, vertical and adjacent angles](https://in.ixl.com/math/class-viii/find-measures-of-complementary-supplementary-vertical-and-adjacent-angles)
4. [P.4Transversal of parallel lines](https://in.ixl.com/math/class-viii/transversal-of-parallel-lines)
5. [P.5Classify triangles](https://in.ixl.com/math/class-viii/classify-triangles)
6. [P.6Classify quadrilaterals](https://in.ixl.com/math/class-viii/classify-quadrilaterals)
7. [P.7Find missing angles in triangles and quadrilaterals](https://in.ixl.com/math/class-viii/find-missing-angles-in-triangles-and-quadrilaterals)
8. [P.8Properties of parallelograms](https://in.ixl.com/math/class-viii/properties-of-parallelograms)
9. [P.9Properties of rhombuses](https://in.ixl.com/math/class-viii/properties-of-rhombuses)
10. [P.10Properties of squares and rectangles](https://in.ixl.com/math/class-viii/properties-of-squares-and-rectangles)
11. [P.11Identify and classify polygons](https://in.ixl.com/math/class-viii/identify-and-classify-polygons)
12. [P.12Interior angles of polygons](https://in.ixl.com/math/class-viii/interior-angles-of-polygons)
13. [P.13Similar and congruent figures](https://in.ixl.com/math/class-viii/similar-and-congruent-figures)
14. [P.14Similar figures: side lengths and angle measures](https://in.ixl.com/math/class-viii/similar-figures-side-lengths-and-angle-measures)
15. [P.15Congruent figures: side lengths and angle measures](https://in.ixl.com/math/class-viii/congruent-figures-side-lengths-and-angle-measures)
16. [P.16Congruence statements and corresponding parts](https://in.ixl.com/math/class-viii/congruence-statements-and-corresponding-parts)
17. [P.17Congruent triangles: SSS, SAS and ASA](https://in.ixl.com/math/class-viii/congruent-triangles-sss-sas-and-asa)
18. [P.18Perimeter](https://in.ixl.com/math/class-viii/perimeter)
19. [P.19Area](https://in.ixl.com/math/class-viii/area)
20. [P.20Area between two shapes](https://in.ixl.com/math/class-viii/area-between-two-shapes)
21. [P.21Area and perimeter: word problems](https://in.ixl.com/math/class-viii/area-and-perimeter-word-problems)
22. [P.22Parts of a circle](https://in.ixl.com/math/class-viii/parts-of-a-circle)
23. [P.23Circles, semicircles and quarter circles](https://in.ixl.com/math/class-viii/circles-semicircles-and-quarter-circles)
24. [P.24Circles: word problems](https://in.ixl.com/math/class-viii/circles-word-problems)
25. [P.25Find lengths and measures of bisected lines and angles](https://in.ixl.com/math/class-viii/find-lengths-and-measures-of-bisected-lines-and-angles)
26. [P.26Front, side and top view](https://in.ixl.com/math/class-viii/front-side-and-top-view)
27. [P.27Base plans](https://in.ixl.com/math/class-viii/base-plans)
28. [P.28Names and parts of 3-dimensional figures](https://in.ixl.com/math/class-viii/names-and-parts-of-3-dimensional-figures)
29. [P.29Nets of 3-dimensional figures](https://in.ixl.com/math/class-viii/nets-of-3-dimensional-figures)
30. [P.30Surface area of prisms and cylinders](https://in.ixl.com/math/class-viii/surface-area-of-prisms-and-cylinders)
31. [P.31Volume of prisms and cylinders](https://in.ixl.com/math/class-viii/volume-of-prisms-and-cylinders)
32. [P.32Similar solids](https://in.ixl.com/math/class-viii/similar-solids)
33. [P.33Volume and surface area of similar solids](https://in.ixl.com/math/class-viii/volume-and-surface-area-of-similar-solids)
34. [P.34Perimeter, area and volume: changes in scale](https://in.ixl.com/math/class-viii/perimeter-area-and-volume-changes-in-scale)
35. [P.35Symmetry](https://in.ixl.com/math/class-viii/symmetry)
36. [P.36Count lines of symmetry](https://in.ixl.com/math/class-viii/count-lines-of-symmetry)
37. [P.37Draw lines of symmetry](https://in.ixl.com/math/class-viii/draw-lines-of-symmetry)

**Constructions**

1. [Q.1Construct the midpoint or perpendicular bisector of a segment](https://in.ixl.com/math/class-viii/construct-the-midpoint-or-perpendicular-bisector-of-a-segment)
2. [Q.2Construct an angle bisector](https://in.ixl.com/math/class-viii/construct-an-angle-bisector)
3. [Q.3Construct a congruent angle](https://in.ixl.com/math/class-viii/construct-a-congruent-angle)
4. [Q.4Construct a perpendicular line](https://in.ixl.com/math/class-viii/construct-a-perpendicular-line)
5. [Q.5Construct parallel lines](https://in.ixl.com/math/class-viii/construct-parallel-lines)
6. [Q.6Construct an equilateral triangle or regular hexagon](https://in.ixl.com/math/class-viii/construct-an-equilateral-triangle-or-regular-hexagon)

**Measurement**

1. [R.1Convert rates and measurements: metric units](https://in.ixl.com/math/class-viii/convert-rates-and-measurements-metric-units)
2. [R.2Metric mixed units](https://in.ixl.com/math/class-viii/metric-mixed-units)
3. [R.3Convert square and cubic units of length](https://in.ixl.com/math/class-viii/convert-square-and-cubic-units-of-length)
4. [R.4Convert between cubic metres and litres](https://in.ixl.com/math/class-viii/convert-between-cubic-metres-and-litres)
5. [R.5Precision](https://in.ixl.com/math/class-viii/precision)

**Number sequences**

1. [S.1Identify arithmetic and geometric sequences](https://in.ixl.com/math/class-viii/identify-arithmetic-and-geometric-sequences)
2. [S.2Arithmetic sequences](https://in.ixl.com/math/class-viii/arithmetic-sequences)
3. [S.3Geometric sequences](https://in.ixl.com/math/class-viii/geometric-sequences)
4. [S.4Number sequences: mixed review](https://in.ixl.com/math/class-viii/number-sequences-mixed-review)
5. [S.5Number sequences: word problems](https://in.ixl.com/math/class-viii/number-sequences-word-problems)
6. [S.6Evaluate variable expressions for number sequences](https://in.ixl.com/math/class-viii/evaluate-variable-expressions-for-number-sequences)
7. [S.7Write variable expressions for arithmetic sequences](https://in.ixl.com/math/class-viii/write-variable-expressions-for-arithmetic-sequences)

**Variable expressions**

1. [T.1Write variable expressions](https://in.ixl.com/math/class-viii/write-variable-expressions)
2. [T.2Write variable expressions to represent diagrams](https://in.ixl.com/math/class-viii/write-variable-expressions-to-represent-diagrams)
3. [T.3Identify terms and coefficients](https://in.ixl.com/math/class-viii/identify-terms-and-coefficients)
4. [T.4Evaluate single-variable expressions](https://in.ixl.com/math/class-viii/evaluate-single-variable-expressions)
5. [T.5Evaluate multi-variable expressions](https://in.ixl.com/math/class-viii/evaluate-multi-variable-expressions)
6. [T.6Add and subtract like terms](https://in.ixl.com/math/class-viii/add-and-subtract-like-terms)
7. [T.7Simplify variable expressions](https://in.ixl.com/math/class-viii/simplify-variable-expressions)

**Single-variable equations**

1. [U.1Does x satisfy the equation?](https://in.ixl.com/math/class-viii/does-x-satisfy-the-equation)
2. [U.2Model and solve equations using algebra tiles](https://in.ixl.com/math/class-viii/model-and-solve-equations-using-algebra-tiles)
3. [U.3Write and solve equations that represent diagrams](https://in.ixl.com/math/class-viii/write-and-solve-equations-that-represent-diagrams)
4. [U.4Solve one-step linear equations](https://in.ixl.com/math/class-viii/solve-one-step-linear-equations)
5. [U.5Solve two-step linear equations](https://in.ixl.com/math/class-viii/solve-two-step-linear-equations)
6. [U.6Solve equations involving squares and square roots](https://in.ixl.com/math/class-viii/solve-equations-involving-squares-and-square-roots)
7. [U.7Solve multi-step equations](https://in.ixl.com/math/class-viii/solve-multi-step-equations)
8. [U.8Solve equations involving like terms](https://in.ixl.com/math/class-viii/solve-equations-involving-like-terms)

**Monomials and polynomials**

1. [V.1Identify monomials](https://in.ixl.com/math/class-viii/identify-monomials)
2. [V.2Model polynomials with algebra tiles](https://in.ixl.com/math/class-viii/model-polynomials-with-algebra-tiles)
3. [V.3Add and subtract polynomials using algebra tiles](https://in.ixl.com/math/class-viii/add-and-subtract-polynomials-using-algebra-tiles)
4. [V.4Add and subtract polynomials](https://in.ixl.com/math/class-viii/add-and-subtract-polynomials)
5. [V.5Add polynomials to find perimeter](https://in.ixl.com/math/class-viii/add-polynomials-to-find-perimeter)
6. [V.6Multiply monomials](https://in.ixl.com/math/class-viii/multiply-monomials)
7. [V.7Divide monomials](https://in.ixl.com/math/class-viii/divide-monomials)
8. [V.8Multiply and divide monomials](https://in.ixl.com/math/class-viii/multiply-and-divide-monomials)
9. [V.9Powers of monomials](https://in.ixl.com/math/class-viii/powers-of-monomials)
10. [V.10Square and cube roots of monomials](https://in.ixl.com/math/class-viii/square-and-cube-roots-of-monomials)
11. [V.11Multiply polynomials using algebra tiles](https://in.ixl.com/math/class-viii/multiply-polynomials-using-algebra-tiles)
12. [V.12Multiply polynomials](https://in.ixl.com/math/class-viii/multiply-polynomials)
13. [V.13Multiply polynomials to find area](https://in.ixl.com/math/class-viii/multiply-polynomials-to-find-area)

**Factorising**

1. [W.1GCF of monomials](https://in.ixl.com/math/class-viii/gcf-of-monomials)
2. [W.2Factorise out a monomial](https://in.ixl.com/math/class-viii/factorise-out-a-monomial)
3. [W.3Factorise quadratics with leading coefficient 1](https://in.ixl.com/math/class-viii/factorise-quadratics-with-leading-coefficient-1)
4. [W.4Factorise quadratics with other leading coefficients](https://in.ixl.com/math/class-viii/factorise-quadratics-with-other-leading-coefficients)
5. [W.5Factorise quadratics: special cases](https://in.ixl.com/math/class-viii/factorise-quadratics-special-cases)
6. [W.6Factorise quadratics using algebra tiles](https://in.ixl.com/math/class-viii/factorise-quadratics-using-algebra-tiles)
7. [W.7Factorise by grouping](https://in.ixl.com/math/class-viii/factorise-by-grouping)
8. [W.8Factorise polynomials](https://in.ixl.com/math/class-viii/factorise-polynomials)

**Properties**

1. [X.1Properties of addition and multiplication](https://in.ixl.com/math/class-viii/properties-of-addition-and-multiplication)
2. [X.2Distributive property](https://in.ixl.com/math/class-viii/distributive-property)
3. [X.3Simplify variable expressions using properties](https://in.ixl.com/math/class-viii/simplify-variable-expressions-using-properties)
4. [X.4Properties of equality](https://in.ixl.com/math/class-viii/properties-of-equality)

**Probability**

1. [Y.1Probability of simple events](https://in.ixl.com/math/class-viii/probability-of-simple-events)
2. [Y.2Probability of opposite, mutually exclusive and overlapping events](https://in.ixl.com/math/class-viii/probability-of-opposite-mutually-exclusive-and-overlapping-events)
3. [Y.3Experimental probability](https://in.ixl.com/math/class-viii/experimental-probability)
4. [Y.4Make predictions](https://in.ixl.com/math/class-viii/make-predictions)
5. [Y.5Compound events: find the number of outcomes](https://in.ixl.com/math/class-viii/compound-events-find-the-number-of-outcomes)
6. [Y.6Counting principle](https://in.ixl.com/math/class-viii/counting-principle)

**Statistics**

1. [Z.1Calculate mean, median, mode and range](https://in.ixl.com/math/class-viii/calculate-mean-median-mode-and-range)
2. [Z.2Interpret charts to find mean, median, mode and range](https://in.ixl.com/math/class-viii/interpret-charts-to-find-mean-median-mode-and-range)
3. [Z.3Mean, median, mode and range: find the missing number](https://in.ixl.com/math/class-viii/mean-median-mode-and-range-find-the-missing-number)
4. [Z.4Changes in mean, median, mode and range](https://in.ixl.com/math/class-viii/changes-in-mean-median-mode-and-range)