**Class VI**

Here is a list of all of the skills students learn in class VI! 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!

**Whole numbers**

1. [A.1Place values in whole numbers](https://in.ixl.com/math/class-vi/place-values-in-whole-numbers)
2. [A.2Word names for numbers](https://in.ixl.com/math/class-vi/word-names-for-numbers)
3. [A.3Roman numerals](https://in.ixl.com/math/class-vi/roman-numerals)

**Decimal numbers**

1. [B.1What decimal number is illustrated?](https://in.ixl.com/math/class-vi/what-decimal-number-is-illustrated)
2. [B.2Decimal place values](https://in.ixl.com/math/class-vi/decimal-place-values)
3. [B.3Word names for decimal numbers](https://in.ixl.com/math/class-vi/word-names-for-decimal-numbers)
4. [B.4Convert decimals to mixed numbers](https://in.ixl.com/math/class-vi/convert-decimals-to-mixed-numbers)
5. [B.5Put decimal numbers in order](https://in.ixl.com/math/class-vi/put-decimal-numbers-in-order)
6. [B.6Inequalities with decimals](https://in.ixl.com/math/class-vi/inequalities-with-decimals)
7. [B.7Round decimals](https://in.ixl.com/math/class-vi/round-decimals)
8. [B.8Round whole numbers and decimals: find the missing digit](https://in.ixl.com/math/class-vi/round-whole-numbers-and-decimals-find-the-missing-digit)
9. [B.9Decimal number lines](https://in.ixl.com/math/class-vi/decimal-number-lines)

**Integers**

1. [C.1Understanding integers](https://in.ixl.com/math/class-vi/understanding-integers)
2. [C.2Integers on number lines](https://in.ixl.com/math/class-vi/integers-on-number-lines)
3. [C.3Graph integers on number lines](https://in.ixl.com/math/class-vi/graph-integers-on-number-lines)
4. [C.4Compare and order integers](https://in.ixl.com/math/class-vi/compare-and-order-integers)

**Money**

1. [D.1Find the number of each type of coin](https://in.ixl.com/math/class-vi/find-the-number-of-each-type-of-coin)
2. [D.2Add and subtract money amounts](https://in.ixl.com/math/class-vi/add-and-subtract-money-amounts)
3. [D.3Add and subtract money amounts: word problems](https://in.ixl.com/math/class-vi/add-and-subtract-money-amounts-word-problems)
4. [D.4Multiply money: word problems](https://in.ixl.com/math/class-vi/multiply-money-word-problems)
5. [D.5Divide money amounts](https://in.ixl.com/math/class-vi/divide-money-amounts)
6. [D.6Divide money amounts: word problems](https://in.ixl.com/math/class-vi/divide-money-amounts-word-problems)

**Add and subtract integers**

1. [E.1Review - add and subtract whole numbers](https://in.ixl.com/math/class-vi/review-add-and-subtract-whole-numbers)
2. [E.2Review - add and subtract whole numbers: word problems](https://in.ixl.com/math/class-vi/review-add-and-subtract-whole-numbers-word-problems)
3. [E.3Properties of addition](https://in.ixl.com/math/class-vi/properties-of-addition)
4. [E.4Add integers - using counters](https://in.ixl.com/math/class-vi/add-integers-using-counters)
5. [E.5Add integers](https://in.ixl.com/math/class-vi/add-integers)
6. [E.6Subtract integers - using counters](https://in.ixl.com/math/class-vi/subtract-integers-using-counters)
7. [E.7Subtract integers](https://in.ixl.com/math/class-vi/subtract-integers)
8. [E.8Add and subtract integers - input/output tables](https://in.ixl.com/math/class-vi/add-and-subtract-integers-input-output-tables)
9. [E.9Add three or more integers](https://in.ixl.com/math/class-vi/add-three-or-more-integers)
10. [E.10Integer addition and subtraction rules](https://in.ixl.com/math/class-vi/integer-addition-and-subtraction-rules)

**Add and subtract decimals**

1. [F.1Add and subtract decimal numbers](https://in.ixl.com/math/class-vi/add-and-subtract-decimal-numbers)
2. [F.2Add and subtract decimals: word problems](https://in.ixl.com/math/class-vi/add-and-subtract-decimals-word-problems)
3. [F.3Estimate sums and differences of decimals](https://in.ixl.com/math/class-vi/estimate-sums-and-differences-of-decimals)
4. [F.4Maps with decimal distances](https://in.ixl.com/math/class-vi/maps-with-decimal-distances)

**Multiplication**

1. [G.1Multiply whole numbers](https://in.ixl.com/math/class-vi/multiply-whole-numbers)
2. [G.2Multiply whole numbers: word problems](https://in.ixl.com/math/class-vi/multiply-whole-numbers-word-problems)
3. [G.3Multiply numbers ending in zeroes](https://in.ixl.com/math/class-vi/multiply-numbers-ending-in-zeroes)
4. [G.4Multiply numbers ending in zeroes: word problems](https://in.ixl.com/math/class-vi/multiply-numbers-ending-in-zeroes-word-problems)
5. [G.5Multiply three or more numbers](https://in.ixl.com/math/class-vi/multiply-three-or-more-numbers)
6. [G.6Multiply three or more numbers: word problems](https://in.ixl.com/math/class-vi/multiply-three-or-more-numbers-word-problems)
7. [G.7Estimate products](https://in.ixl.com/math/class-vi/estimate-products)
8. [G.8Properties of multiplication](https://in.ixl.com/math/class-vi/properties-of-multiplication)
9. [G.9Solve for a variable using properties of multiplication](https://in.ixl.com/math/class-vi/solve-for-a-variable-using-properties-of-multiplication)

**Division**

1. [H.1Divisibility rules](https://in.ixl.com/math/class-vi/divisibility-rules)
2. [H.2Division patterns with zeroes](https://in.ixl.com/math/class-vi/division-patterns-with-zeroes)
3. [H.3Divide numbers ending in zeroes: word problems](https://in.ixl.com/math/class-vi/divide-numbers-ending-in-zeroes-word-problems)
4. [H.4Estimate quotients](https://in.ixl.com/math/class-vi/estimate-quotients)
5. [H.5Divide whole numbers - two-digit divisors](https://in.ixl.com/math/class-vi/divide-whole-numbers-two-digit-divisors)

**Problem solving and estimation**

1. [I.1Estimate to solve word problems](https://in.ixl.com/math/class-vi/estimate-to-solve-word-problems)
2. [I.2Word problems with multiple steps or extra or missing information](https://in.ixl.com/math/class-vi/word-problems-with-multiple-steps-or-extra-or-missing-information)
3. [I.3Guess-and-check word problems](https://in.ixl.com/math/class-vi/guess-and-check-word-problems)
4. [I.4Distance/direction to starting point](https://in.ixl.com/math/class-vi/distance-direction-to-starting-point)
5. [I.5Use logical reasoning to find the order](https://in.ixl.com/math/class-vi/use-logical-reasoning-to-find-the-order)

**Number theory**

1. [J.1Prime or composite](https://in.ixl.com/math/class-vi/prime-or-composite)
2. [J.2Identify factors](https://in.ixl.com/math/class-vi/identify-factors)
3. [J.3Prime factorisation](https://in.ixl.com/math/class-vi/prime-factorisation)
4. [J.4Prime factorisation with exponents](https://in.ixl.com/math/class-vi/prime-factorisation-with-exponents)
5. [J.5Highest common factor](https://in.ixl.com/math/class-vi/highest-common-factor)
6. [J.6Least common multiple](https://in.ixl.com/math/class-vi/least-common-multiple)
7. [J.7HCF and LCM: word problems](https://in.ixl.com/math/class-vi/hcf-and-lcm-word-problems)

**Algebra**

1. [K.1Simplify expressions using order of operations and parentheses](https://in.ixl.com/math/class-vi/simplify-expressions-using-order-of-operations-and-parentheses)
2. [K.2Write variable expressions](https://in.ixl.com/math/class-vi/write-variable-expressions)
3. [K.3Evaluate variable expressions](https://in.ixl.com/math/class-vi/evaluate-variable-expressions)
4. [K.4Write equations to represent word problems](https://in.ixl.com/math/class-vi/write-equations-to-represent-word-problems)
5. [K.5Solve equations](https://in.ixl.com/math/class-vi/solve-equations)

**Time**

1. [L.1Elapsed time](https://in.ixl.com/math/class-vi/elapsed-time)
2. [L.2Time units](https://in.ixl.com/math/class-vi/time-units)
3. [L.3Find start and end times](https://in.ixl.com/math/class-vi/find-start-and-end-times)
4. [L.4Convert between 12-hour and 24-hour time](https://in.ixl.com/math/class-vi/convert-between-12-hour-and-24-hour-time)
5. [L.5Transportation schedules](https://in.ixl.com/math/class-vi/transportation-schedules)

**Measurement**

1. [M.1Estimate metric measurements](https://in.ixl.com/math/class-vi/estimate-metric-measurements)
2. [M.2Convert and compare metric units](https://in.ixl.com/math/class-vi/convert-and-compare-metric-units)
3. [M.3Metric mixed units](https://in.ixl.com/math/class-vi/metric-mixed-units)
4. [M.4Convert square and cubic units of length](https://in.ixl.com/math/class-vi/convert-square-and-cubic-units-of-length)
5. [M.5Convert between cubic metres and litres](https://in.ixl.com/math/class-vi/convert-between-cubic-metres-and-litres)
6. [M.6Working with temperatures above and below zero](https://in.ixl.com/math/class-vi/working-with-temperatures-above-and-below-zero)

**Data and graphs**

1. [N.1Interpret pictographs](https://in.ixl.com/math/class-vi/interpret-pictographs)
2. [N.2Create pictographs](https://in.ixl.com/math/class-vi/create-pictographs)
3. [N.3Stem-and-leaf plots](https://in.ixl.com/math/class-vi/stem-and-leaf-plots)
4. [N.4Interpret line plots](https://in.ixl.com/math/class-vi/interpret-line-plots)
5. [N.5Create line plots](https://in.ixl.com/math/class-vi/create-line-plots)
6. [N.6Create and interpret line plots with fractions](https://in.ixl.com/math/class-vi/create-and-interpret-line-plots-with-fractions)
7. [N.7Create frequency tables](https://in.ixl.com/math/class-vi/create-frequency-tables)
8. [N.8Interpret bar graphs](https://in.ixl.com/math/class-vi/interpret-bar-graphs)
9. [N.9Create bar graphs](https://in.ixl.com/math/class-vi/create-bar-graphs)
10. [N.10Interpret histograms](https://in.ixl.com/math/class-vi/interpret-histograms)
11. [N.11Create histograms](https://in.ixl.com/math/class-vi/create-histograms)
12. [N.12Interpret line graphs](https://in.ixl.com/math/class-vi/interpret-line-graphs)
13. [N.13Create line graphs](https://in.ixl.com/math/class-vi/create-line-graphs)

**Fractions and mixed numbers**

1. [O.1Fractions and mixed numbers](https://in.ixl.com/math/class-vi/fractions-and-mixed-numbers)
2. [O.2Equivalent fractions](https://in.ixl.com/math/class-vi/equivalent-fractions)
3. [O.3Simplify fractions](https://in.ixl.com/math/class-vi/simplify-fractions)
4. [O.4Understanding fractions: word problems](https://in.ixl.com/math/class-vi/understanding-fractions-word-problems)
5. [O.5Least common denominator](https://in.ixl.com/math/class-vi/least-common-denominator)
6. [O.6Compare fractions with like and unlike denominators](https://in.ixl.com/math/class-vi/compare-fractions-with-like-and-unlike-denominators)
7. [O.7Compare fractions: word problems](https://in.ixl.com/math/class-vi/compare-fractions-word-problems)
8. [O.8Convert between improper fractions and mixed numbers](https://in.ixl.com/math/class-vi/convert-between-improper-fractions-and-mixed-numbers)
9. [O.9Convert between decimals and fractions or mixed numbers](https://in.ixl.com/math/class-vi/convert-between-decimals-and-fractions-or-mixed-numbers)
10. [O.10Put a mix of decimals, fractions and mixed numbers in order](https://in.ixl.com/math/class-vi/put-a-mix-of-decimals-fractions-and-mixed-numbers-in-order)

**Add and subtract fractions**

1. [P.1Add and subtract fractions with like denominators](https://in.ixl.com/math/class-vi/add-and-subtract-fractions-with-like-denominators)
2. [P.2Add and subtract fractions with like denominators: word problems](https://in.ixl.com/math/class-vi/add-and-subtract-fractions-with-like-denominators-word-problems)
3. [P.3Add and subtract fractions with unlike denominators](https://in.ixl.com/math/class-vi/add-and-subtract-fractions-with-unlike-denominators)
4. [P.4Add and subtract fractions with unlike denominators: word problems](https://in.ixl.com/math/class-vi/add-and-subtract-fractions-with-unlike-denominators-word-problems)
5. [P.5Inequalities with addition and subtraction of like and unlike fractions](https://in.ixl.com/math/class-vi/inequalities-with-addition-and-subtraction-of-like-and-unlike-fractions)
6. [P.6Add and subtract mixed numbers](https://in.ixl.com/math/class-vi/add-and-subtract-mixed-numbers)
7. [P.7Add and subtract mixed numbers: word problems](https://in.ixl.com/math/class-vi/add-and-subtract-mixed-numbers-word-problems)
8. [P.8Estimate sums and differences of mixed numbers](https://in.ixl.com/math/class-vi/estimate-sums-and-differences-of-mixed-numbers)

**Mixed operations**

1. [Q.1Add, subtract, multiply and divide whole numbers](https://in.ixl.com/math/class-vi/add-subtract-multiply-and-divide-whole-numbers)
2. [Q.2Add, subtract, multiply and divide whole numbers: word problems](https://in.ixl.com/math/class-vi/add-subtract-multiply-and-divide-whole-numbers-word-problems)
3. [Q.3Add, subtract, multiply and divide integers](https://in.ixl.com/math/class-vi/add-subtract-multiply-and-divide-integers)
4. [Q.4Add and subtract decimals or fractions](https://in.ixl.com/math/class-vi/add-and-subtract-decimals-or-fractions)
5. [Q.5Add and subtract decimals or fractions: word problems](https://in.ixl.com/math/class-vi/add-and-subtract-decimals-or-fractions-word-problems)

**Geometry**

1. [R.1Identify planar and solid figures](https://in.ixl.com/math/class-vi/identify-planar-and-solid-figures)
2. [R.2Types of triangles](https://in.ixl.com/math/class-vi/types-of-triangles)
3. [R.3Open and closed shapes and qualities of polygons](https://in.ixl.com/math/class-vi/open-and-closed-shapes-and-qualities-of-polygons)
4. [R.4Regular and irregular polygons](https://in.ixl.com/math/class-vi/regular-and-irregular-polygons)
5. [R.5Number of sides in polygons](https://in.ixl.com/math/class-vi/number-of-sides-in-polygons)
6. [R.6Which figure is being described?](https://in.ixl.com/math/class-vi/which-figure-is-being-described)
7. [R.7Classify quadrilaterals](https://in.ixl.com/math/class-vi/classify-quadrilaterals)
8. [R.8Reflection, rotation and translation](https://in.ixl.com/math/class-vi/reflection-rotation-and-translation)
9. [R.9Count and compare sides, edges, faces and vertices](https://in.ixl.com/math/class-vi/count-and-compare-sides-edges-faces-and-vertices)
10. [R.10Similar and congruent](https://in.ixl.com/math/class-vi/similar-and-congruent)
11. [R.11Nets of 3-dimensional figures](https://in.ixl.com/math/class-vi/nets-of-3-dimensional-figures)
12. [R.12Types of angles](https://in.ixl.com/math/class-vi/types-of-angles)
13. [R.13Measure angles with a protractor](https://in.ixl.com/math/class-vi/measure-angles-with-a-protractor)
14. [R.14Parts of a circle](https://in.ixl.com/math/class-vi/parts-of-a-circle)
15. [R.15Perimeter](https://in.ixl.com/math/class-vi/perimeter)
16. [R.16Area of squares and rectangles](https://in.ixl.com/math/class-vi/area-of-squares-and-rectangles)
17. [R.17Area of compound figures](https://in.ixl.com/math/class-vi/area-of-compound-figures)
18. [R.18Area between two rectangles](https://in.ixl.com/math/class-vi/area-between-two-rectangles)
19. [R.19Area and perimeter of irregular figures](https://in.ixl.com/math/class-vi/area-and-perimeter-of-irregular-figures)
20. [R.20Area and perimeter: word problems](https://in.ixl.com/math/class-vi/area-and-perimeter-word-problems)
21. [R.21Use area and perimeter to determine cost](https://in.ixl.com/math/class-vi/use-area-and-perimeter-to-determine-cost)
22. [R.22Volume of figures made of unit cubes](https://in.ixl.com/math/class-vi/volume-of-figures-made-of-unit-cubes)
23. [R.23Three-dimensional figures viewed from different perspectives](https://in.ixl.com/math/class-vi/three-dimensional-figures-viewed-from-different-perspectives)
24. [R.24Lines of symmetry](https://in.ixl.com/math/class-vi/lines-of-symmetry)
25. [R.25Rotational symmetry](https://in.ixl.com/math/class-vi/rotational-symmetry)
26. [R.26Lines, line segments, and rays](https://in.ixl.com/math/class-vi/lines-line-segments-and-rays)
27. [R.27Parallel, perpendicular, intersecting](https://in.ixl.com/math/class-vi/parallel-perpendicular-intersecting)
28. [R.28Find the unknown angle in triangles and quadrilaterals](https://in.ixl.com/math/class-vi/find-the-unknown-angle-in-triangles-and-quadrilaterals)

**Constructions**

1. [S.1Construct the midpoint or perpendicular bisector of a segment](https://in.ixl.com/math/class-vi/construct-the-midpoint-or-perpendicular-bisector-of-a-segment)
2. [S.2Construct an angle bisector](https://in.ixl.com/math/class-vi/construct-an-angle-bisector)
3. [S.3Construct a perpendicular line](https://in.ixl.com/math/class-vi/construct-a-perpendicular-line)
4. [S.4Construct an equilateral triangle or regular hexagon](https://in.ixl.com/math/class-vi/construct-an-equilateral-triangle-or-regular-hexagon)

**Ratios and proportions**

1. [T.1Write a ratio to describe objects in a picture](https://in.ixl.com/math/class-vi/write-a-ratio-to-describe-objects-in-a-picture)
2. [T.2Ratio tables](https://in.ixl.com/math/class-vi/ratio-tables)
3. [T.3Ratios: word problems](https://in.ixl.com/math/class-vi/ratios-word-problems)
4. [T.4Equivalent ratios](https://in.ixl.com/math/class-vi/equivalent-ratios)
5. [T.5Compare ratios: word problems](https://in.ixl.com/math/class-vi/compare-ratios-word-problems)
6. [T.6Proportions](https://in.ixl.com/math/class-vi/proportions)
7. [T.7Unit rates and equivalent rates](https://in.ixl.com/math/class-vi/unit-rates-and-equivalent-rates)
8. [T.8Scale drawings](https://in.ixl.com/math/class-vi/scale-drawings)

**Properties**

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

**Probability**

1. [V.1Combinations](https://in.ixl.com/math/class-vi/combinations)
2. [V.2Make predictions](https://in.ixl.com/math/class-vi/make-predictions)
3. [V.3Compound events - find the number of outcomes by counting](https://in.ixl.com/math/class-vi/compound-events-find-the-number-of-outcomes-by-counting)