IXL Skill Plan for the Dynamic Learning Maps® Essential Elements

5th Grade Math

Use IXL's interactive skill plan to get up-to-date skill alignments, assign skills to your students, and track progress.

www.ixl.com/math/skill-plans/dynamic-learning-maps-essential-elements-grade-5

Operations and Algebraic Thinking

Analyze patterns and relationships.

Standard	IXL skills
M.EE.5.OA.3: Identify and extend numerical patterns.	1. Complete an increasing number pattern GZW 2. Extend repeating shape patterns AKK

Number and Operations in Base Ten

Understand the place value system.

Standard	IXL skills
M.EE.5.NBT.1: Compare numbers up to 99 using base ten models.	1. Use place value to compare numbers up to 100 APJ
M.EE.5.NBT.2: Use the number of zeros in numbers that are powers of 10 to determine which values are equal, greater than, or less than.	
M.EE.5.NBT.3: Compare whole numbers up to 100 using symbols (<, >, =).	1. Compare numbers up to 100 using symbols - with models Z2B 2. Compare numbers up to 100 using symbols YJP
M.EE.5.NBT.4: Round two-digit whole numbers to the nearest 10 from 0–90.	1. Round to the nearest ten using a number line 8X3 2. Round to the nearest ten JDN

Perform operations with multi-digit whole numbers and with decimals to hundredths.

Standard	IXL skills
M.EE.5.NBT.5: Multiply whole numbers up to 5 × 5.	**Equal groups up to 5 by 5** 1. Count equal groups: factors up to 5 TUS 2. Identify multiplication sentences for groups of 5 XZ8 3. Write multiplication sentences for equal groups: factors up to 5 XWC **Arrays up to 5 by 5** 4. Identify multiplication expressions for arrays: factors up to 5 FWE 5. Write multiplication sentences for arrays: factors up to 5 FKW 6. Make arrays to model multiplication: factors up to 5 W7P

Visit IXL's interactive skill plan at www.ixl.com/math/skill-plans/dynamic-learning-maps-essential-elements-grade-5

Repeated addition up to 5 by 5

7. Relate addition and multiplication for equal groups: factors up to 5 8VB
8. Identify repeated addition for equal groups - sums to 25 PNR
9. Identify repeated addition for arrays: sums to 25 ER2

Multiplication facts up to 5 by 5

10. Multiplication facts up to 5 E6P

M.EE.5.NBT.6–7: Illustrate the concept of division using fair and equal shares.

1. Divide by counting equal groups AUA

Number and Operations—Fractions

Use equivalent fractions as a strategy to add and subtract fractions.

Standard	IXL skills
M.EE.5.NF.1: Identify models of halves (1/2, 2/2) and fourths (1/4, 2/4, 3/4, 4/4).	1. Equal parts - 2 and 4 equal parts HVX 2. Identify halves EZ2 3. Identify fourths V5Q 4. Which shape illustrates the fraction? - halves and fourths RLY
M.EE.5.NF.2: Identify models of thirds (1/3, 2/3, 3/3) and tenths (1/10, 2/10, 3/10, 4/10, 5/10, 6/10, 7/10, 8/10, 9/10, 10/10).	1. Identify thirds EMA 2. Which shape illustrates the fraction? - thirds and tenths T6C

Visit IXL's interactive skill plan at www.ixl.com/math/skill-plans/dynamic-learning-maps-essential-elements-grade-5

Measurement and Data

Convert like measurement units within a given measurement system.

Standard	IXL skills
M.EE.5.MD.1.a: Tell time using an analog or digital clock to the half or quarter hour.	1. Read clocks and write times: hour and half hour K6B 2. Match analog and digital clocks: hour and half hour RW5 3. Read clocks and write times to 15 minutes HLH
M.EE.5.MD.1.b: Use standard units to measure weight and length of objects.	1. Measure using an inch ruler 88A 2. Choose the best measuring tool: customary units of length 8SB 3. Read a scale - customary units MCN
M.EE.5.MD.1.c: Indicate relative value of collections of coins.	1. Equivalent groups of coins - pennies and dimes RY9 2. Equivalent groups of coins - nickels and dimes MCP 3. Equivalent amounts of money up to $1 MGA

Represent and interpret data.

Standard	IXL skills
M.EE.5.MD.2: Represent and interpret data on a picture graph, line plot, or bar graph.	**Picture graphs** 1. Create picture graphs NM5 2. Interpret picture graphs QDT **Bar graphs** 3. Create bar graphs 6KD 4. Interpret bar graphs I RPD 5. Interpret bar graphs II 8CH **Line plots** 6. Create line plots F2U 7. Interpret line plots HY6

Visit IXL's interactive skill plan at www.ixl.com/math/skill-plans/dynamic-learning-maps-essential-elements-grade-5

Geometric measurement: understand concepts of volume, and relate volume to multiplication and to addition.

Standard	IXL skills
M.EE.5.MD.3: Identify common three-dimensional shapes.	1. Select spheres, cubes, cylinders, and cones H5K
M.EE.5.MD.4–5: Determine the volume of a rectangular prism by counting units of measure (unit cubes).	1. Volume of rectangular prisms made of unit cubes WG8

Geometry

Classify two-dimensional figures into categories based on their properties.

Standard	IXL skills
M.EE.5.G.1–4: Sort two-dimensional figures and identify the attributes (angles, number of sides, corners, color) they have in common.	1. Compare shapes using attributes PSZ 2. Parallel sides in quadrilaterals 6E9 3. Attributes of quadrilaterals HXD 4. Sides and angles of quadrilaterals PTK

Visit IXL's interactive skill plan at www.ixl.com/math/skill-plans/dynamic-learning-maps-essential-elements-grade-5