**Seventh going to Eighth Grade and HN6 going to HN7 IXL Math Skills**

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| ✔ | Code and Area Skill |
|  | A.1 Prime or composite |
|  | A.2 Prime factorization |
|  | A.4 Divisibility rules |
|  | A.9 Scientific notation |
|  | A.10 Compare numbers written in scientific notation |
|  | B.4 Absolute value and opposite integers |
|  | C.7 Integer addition and subtraction rules |
|  | C.9 Add and subtract integers |
|  | C.16 Integer multiplication and division rules |
|  | C.17 Multiply and divide integers |
|  | D.2 Compare and order decimals |
|  | E.3 Multiply decimals |
|  | E.5 Divide decimals |
|  | G.1 Add and subtract fractions |
|  | G.3 Add and subtract mixed numbers |
|  | G.9 Multiply fractions |
|  | G.10 Multiply mixed numbers |
|  | G.12 Divide fractions |
|  | G.13 Divide mixed numbers |
|  | H.5 Absolute value of rational numbers |
|  | I.2 Evaluate exponents |
|  | J.2 Identify equivalent ratios |
|  | J.11 Solve proportions |
|  | J.12 Solve proportions: word problems |
|  | K.6 Identify proportional relationships from graphs and equations |
|  | K.7 Identify proportional relationship from tables |
|  | L.2 Convert between percents, fractions, and decimals |
|  | L.5 Percents of numbers and money amounts |
|  | M.6 Percent of a number: tax, discount, and more |
|  | O.3 Compare and convert customary units |
|  | O.4 Mixed customary units |
|  | P.1 Coordinate plane review |
|  | Q.2 Arithmetic sequences |
|  | Q.3 Geometric sequences |
|  | R.5 Evaluate multi-variable expressions |
|  | R.6 Evaluate absolute value expressions |
|  | S.5 Solve one-step equations |
|  | S.6 Solve two-step equations |
|  | T.4 Solve one-step inequalities |
|  | U.2 Identify independent and dependent variables |
|  | W.2 Name, measure, and classify angles |
|  | W.3 Classify triangles |
|  | W.6 Classify quadrilaterals I |
|  | W.7 Classify quadrilaterals II |
|  | W.15 Parallel, perpendicular, and intersecting lines |
|  | W.16 Identify complementary, supplementary, vertical, adjacent, and congruent angles |
|  | Z.1 Bases of three-dimensional figures |
|  | Z.3 Front, side, and top view |