**Honors Seventh to Honors Eighth Grade IXL Math Skills**

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| ✔ | Code and Area Skill |
|  | A.5 Greatest common factor |
|  | A.6 Least common multiple |
|  | B.2 Graph integers on horizontal and vertical number lines |
|  | C.5 Add and subtract integers: word problems |
|  | C.6 Integer multiplication and division rules |
|  | C.7 Multiply and divide integers |
|  | C.8 Evaluate numerical expressions involving integers |
|  | D.5 Identify rational and irrational numbers |
|  | D.6 Absolute value of rational numbers |
|  | F.3 Solve equations with variable exponents |
|  | F.8 Multiplication with exponents |
|  | G.2 Compare numbers written in scientific notation |
|  | H.7 Solve proportions: word problems |
|  | J.3 Find what percent one number is of another |
|  | J.4 Find what percent one number is of another: word problems |
|  | L.4 Convert between customary and metric systems |
|  | O.13 Identify complementary, supplementary, vertical, adjacent, and congruent angles |
|  | O.14 Find measures of complementary, supplementary, vertical, and adjacent angles |
|  | O.16 Transversal of parallel lines – angle pairs |
|  | O.17 Transversal of parallel lines- angle measures |
|  | O.18 Find lengths and measures of bisected line segments and angles |
|  | P.14 Congruence statements and corresponding parts |
|  | P.15 Side lengths and angle measures of congruent figures |
|  | P.16 Congruent triangles: SSS, SAS, and ASA |
|  | R.1 Pythagorean theorem: find the length of the hypotenuse |
|  | R.2 Pythagorean theorem: find the missing leg length |
|  | T.8 Volume of cubes, prisms, and pyramids |
|  | T.9 Surface area of cubes, prisms, and pyramids |
|  | T.10 Volume of cylinders |
|  | T.11 Volume of cones |
|  | T.12 Surface area of cylinders |
|  | T.13 Surface area of cones |
|  | U.2 Arithmetic sequences |
|  | U.3 Geometric sequences |
|  | V.1 Write variable expressions – one operation |
|  | V.2 Write variable expressions – two or more operations |
|  | V.5 Evaluate one-variable expressions |
|  | V.6 Evaluate multi-variable expressions |
|  | V.7 Evaluate absolute value expressions |
|  | V.13 Multiply using the distributive property |
|  | V.15 Add and subtract like terms |
|  | W.7 Solve one-step equations |
|  | W.8 Solve two-step equations |
|  | W.9 Solve multi-step equations |
|  | Y.1 Find the slope of a graph |
|  | Y.2 Find the slope from two points |
|  | Y.4 Find the slope of a linear equation |
|  | Y.8 Write a linear equation from a graph |
|  | CC.9 Interpret stem-and-leaf plots |
|  | CC.11 Interpret histograms |
|  | CC.12 Create histograms |
|  | CC.13 Create frequency charts |
|  | CC.14 Interpret box-and-whisker plots |
|  | EE.3 Experimental probability |
|  | EE.7 Identify independent and dependent events |
|  | EE.8 Probability of independent and dependent events |