

6th ->7th Summer Assignments for Mrs. Rowland

All of the objectives are from the 7th Grade IXL.COM

The following list of objectives is required. However, if the student completes ALL (not just the ones below) of the objectives from the 7th grade IXL (85 smart score, they will be rewarded with a special lunch at Salsas with Mrs. Rowland.

Please complete the objectives to a score of 85 smart score. But parents, I'm not trying to ruin their summer! If they have spent more time than you think is reasonable on an objective, please make them stop! This excludes those students trying to get the special Salsas lunch!

FYI, the students have been working on some of these objectives throughout the year, but only to 80 smart score. Now I'm asking to go to an 85 smart score.

Please don't hesitate to contact me if you have any problems or concerns.
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7th Grade IXL.COM

Number theory

- 3. A.3 Multiplicative inverses
- 5. A.5 Greatest common factor
- 6. A.6 Least common multiple
- 8. A.8 Scientific notation

Operations with integers

- 3. C.3 Add and subtract integers
- 7. C.7 Multiply and divide integers

Operations with decimals

- 1. E.1 Add and subtract decimals
- 3. E.3 Multiply decimals
- 5. E.5 Divide decimals

Operations with fractions

- 1. G.1**Add and subtract fractions
- 3. G.3**Add and subtract mixed numbers
- 7. G.7**Multiply fractions and whole numbers
- 9. G.9**Multiply fractions
- 10. G.10**Multiply mixed numbers
- 12. G.12**Divide fractions
- 13. G.13**Divide mixed numbers

Rational numbers

- 3. H.3**Absolute value of rational numbers
- 4. H.4**Compare rational numbers
- 6. H.6**Add and subtract rational numbers
- 8. H.8**Multiply and divide rational numbers

Exponents and square roots

- 1. I.1**Understanding exponents
- 2. I.2**Evaluate exponents
- 4. I.4**Exponents with negative bases
- 9. I.9**Square roots of perfect squares
- 10. I.10**Estimate square roots

Ratios, rates, and proportions

- 1. J.1**Understanding ratios
- 8. J.8**Do the ratios form a proportion?
- 9. J.9**Do the ratios form a proportion: word problems
- 10. J.10**Solve proportions

Percents

- 2. L.2**Convert between percents, fractions, and decimals
- 5. L.5**Percents of numbers and money amounts

Expressions and properties

- 9. R.9**Properties of addition and multiplication
- 10. R.10**Multiply using the distributive property
- 13. R.13**Add and subtract like terms

One-variable equations

- 1. S.1** Which x satisfies an equation?
- 5. S.5** Solve one-step equations
- 6. S.6** Solve two-step equations
- 8. S.8** Solve equations involving like terms

One-variable inequalities

- 2. T.2** Graph inequalities on number lines
- 3. T.3** Write inequalities from number lines
- 4. T.4** Solve one-step inequalities
- 5. T.5** Graph solutions to one-step inequalities
- 6. T.6** Solve two-step inequalities
- 7. T.7** Graph solutions to two-step inequalities

Two-variable equations

- 5. U.5** Complete a table for a two-variable relationship
- 6. U.6** Write a two-variable equation

Linear functions

- 1. V.1** Find the slope from a graph

Two-dimensional figures

- 1. W.1** Identify and classify polygons
- 2. W.2** Name, measure, and classify angles
- 3. W.3** Classify triangles
- 4. W.4** Identify trapezoids
- 5. W.5** Classify quadrilaterals
- 6. W.6** Graph triangles and quadrilaterals
- 7. W.7** Find missing angles in triangles
- 8. W.8** Find missing angles in quadrilaterals
- 10. W.10** Lines, line segments, and rays
- 11. W.11** Parallel, perpendicular, and intersecting lines
- 12. W.12** Identify complementary, supplementary, vertical, adjacent, and congruent angles
- 13. W.13** Find measures of complementary, supplementary, vertical, and adjacent angles

14. W.14 Transversal of parallel lines

16. W.16 Parts of a circle

Three-dimensional figures

1. Z.1 Bases of three-dimensional figures

2. Z.2 Nets of three-dimensional figures

Geometric measurement

1. AA.1 Perimeter

2. AA.2 Area of rectangles and parallelograms

3. AA.3 Area of triangles and trapezoids

5. AA.5 Circles: calculate area, circumference, radius, and diameter

7. AA.7 Volume

8. AA.8 Surface area

10. AA.10 Semicircles: calculate area, perimeter, radius, and diameter

11. AA.11 Quarter circles: calculate area, perimeter, and radius

Probability

1. DD.1 Probability of simple events

3. DD.3 Experimental probability