ELMS Summer Mathematics Homework

In the math department at ELMS, we use many tools to ensure students' success, one of which is our IXL program. Incoming sixth-grade students received username/password information for IXL at orientation in March. For those unable to attend in March, or if acceptance occurred later, please contact Mrs. David for account setup at: davidka@pcsb.org

The IXL website is: https://www.ixl.com/   Username and password in most cases, follows the following format:

username: lastnamefirstintial1@elms   **password**: R2.D2

We would like the students to complete the following assignments through IXL at a smart score of 90. If not completed during the summer months, these skills will be due within the first days of school.

Fall 2019 Placement - Math 1 Advanced (sixth-grade math) – Complete the following skills in the fifth-grade section - No calculators permitted: (20 links total)

- Place value in decimal numbers (5.G.4)
- Round decimals (5.G.7)
- Put decimal numbers in order (5.G.11)
- Add and subtract decimal numbers (5.H.3)
- Add and subtract decimals: word problems (5.H.4)
- Multiply decimals and whole numbers: word problems (5.I.5)
- Multiply two decimals by using grids (5.I.7)
- Division with decimal quotients (5.J.3)
- Fractions review (5.K.1)
- Equivalent fractions (5.K.4)
- Convert between improper fraction and mixed number (5.K.6)
- Put fractions in order (5.K.11)
- Add and subtract fractions with like denominators using number lines (5.L.2)
- Add and subtract fractions in recipes (5.L.21)
- Multiply two fractions (5.M.15)
- Divide two fractions (5.N.9)
- Evaluate numerical expressions (order of operation) (5.O.4)
- Objects on a coordinate plane (5.U.1)
- Graph points on a coordinate plane (5.U.2)
- Read a table (5.W.1)

Returning students: These skills must have been completed **after** May 27th, 2019. If the skill was previously mastered during the 2018-2019 school year, a smart score of 90 must be recompleted over the summer.

Fall 2019 Placement - Math 2 or Math 2 Advanced – Complete the following skills in the sixth-grade section - **No calculators permitted** (20 links total)

- Write multiplication expressions using exponents (6-D.1)
- Evaluate exponents (6-D.2)
- Find the missing exponent or base (6-D.3)
- Exponents with decimal bases (6-D.4)
- Exponents with fractional bases (6-D.5)
- Evaluate numerical expressions involving decimals (6-O.6)
- Evaluate numerical expressions involving fractions (6-O.9)
- Multiply using the distributive property (6-Y.10)
- Write equivalent expressions using properties (6-Y.13)
- Add and subtract like terms (6-Y.14)
- Find a value using two-variable equations (6-BB.3)
- Identify the graph of an equation (6-BB.7)
- Graph a two-variable equation (6-BB.8)
- Interpret a graph: word problems (6-BB.9)
- Write an equation from a graph using a table (6-BB.10)
- Interpret line graphs (6-GG.14)
- Stem-and-leaf plots (6-GG.18)
- Interpret box-and-whisker plots (6-GG.19)

Returning students: These skills must have been completed **after** May 27th, 2019. If the skill was previously mastered during the 2018-2019 school year, a smart score of 90 must be recompleted over the summer.

Fall 2019 Placement - Pre-algebra - Complete the following skills in the seventh-grade section-No calculators permitted: (25 links total)

- Operations with Integers – 7.C.3 and 7.C.7
- Operations with Decimals – 7.E.8
- Operations with Fractions – 7.G.16 and 7.G.17
- Proportional Relationships - K.2 through K.5
- Expressions and Properties - R.13 through R.16
- One-variable equations – 7.S.5 through 7.S.8
- Two-variable Equations - U.6 through U.10

Returning students: These skills must have been completed <u>after</u> May 27th, 2019. If the skill was previously mastered during the 2018-2019 school year, a smart score of 90 must be recompleted over the summer.

Fall 2019 Placement – Algebra I or Algebra I Honors - IXL Sections (under the Algebra section):

- Numbers A1 to A8
- Operations B1 to B7
- Ratios and Proportions C1-C7
- Percent D1-D8
- Variables Expressions and Equations I1-I7
- Solve Equations J1-J9

Returning students: These skills must have been completed <u>after</u> May 27th, 2019. If the skill was previously mastered during the 2018-2019 school year, a smart score of 90 must be recompleted over the summer.

Fall 2019 Placement – Geometry Honors - IXL Sections (under the Geometry section):

- Algebra Review A1 to A4 and A8 to A9
- Points, Lines and Segments B1 to B3 and B7 to B9
- Angles C1, C3, and C4
- Similarity P.1 to P.4

Please contact us if you have any questions. We hope everyone has a great summer!

ELMS Math Department
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