ELMS Summer Mathematics Homework 2024

In the mathematics department at ELMS, we use many tools to ensure students' success, one of which is our IXL program. Skills will be due Monday, August 26th, 2024. Students are HIGHLY encouraged to complete them, a bit at a time, over the summer months to keep those math skills sharp. Students will access IXL via their Clever account. Students with no Clever account will access the IXL via: https://www.ixl.com/signin/pinellascsd

New students - there is no need to purchase a subscription. Once accepted to ELMS, students are automatically enrolled (the process may take a week or two). Please check our ELMS website (under summer 2024 math homework) for details. Access will be available AFTER May 30th, 2024.

If you do not have a Clever account or if you have questions regarding IXL, please contact Mrs. David at davidka@pcsb.org

Fall 2024 Placement – Sixth-grade Accelerated Math

Complete the following skills in the fifth-grade section - No calculators permitted (20 links total). You will complete these if you have not already completed the Sixth-grade Accelerated course. Please complete all skills to a minimum Smart Score of 90.

Title of skill in IXL	Code
GCF of three numbers	7TA
LCM of three or four numbers	ZPQ
Compare, order, and round decimals: word problems	2MV
Compare fractions and mixed numbers	U8J
Understand fractions as division: word problems	CTD
Add and subtract fractions with unlike denominators: word problems	TCD
Divide fractions and mixed numbers: word problems	F7C
Evaluate numerical expressions with parentheses and brackets - order of operation	TVY
Add, subtract, multiply and divide fractions and mixed numbers: word problems	APD
Convert between percent, fractions, and decimals	2VM
Complete patterns	XPM
Use a rule to complete a table and a graph	N9B
Write a two-variable equation	GX2
Interpret line graphs	UFX
Find the mean	AAP
Find the median	GDA
Interpret charts and graphs to find the median	XWN
Nets of 3-D figures	9LV
Areas of rectangles with fractions and mixed numbers	PMV
Area of compound figures	YGC

Fall 2024 Placement – <u>Seventh-grade Accelerated Math</u>

Complete the following skills - no calculators permitted (20 links total). You will complete these if you <u>have already completed</u> the Sixth-grade Accelerated course. <mark>Please complete all skills to a minimum Smart Score of 90.</mark>

Title of skill in IXL	Code
Write multiplication expressions using exponents	TY5
Evaluate powers	XDA
Find the missing exponent or base	HC5
Divide fractions and mixed numbers: word problems	WAH
Evaluate numerical expressions involving decimals	YEE
Evaluate numerical expressions involving fractions	WNE
Write a ratio: word problems	SBQ
Write variable expressions: two operations	CX9
Evaluate multi-variable expressions	HC9
Multiply using the distributive property: area models	7XM
Add and subtract like terms	CN9
Find a value using two-variable equations: word problems	XRJ
Identify the graph of an equation	WN7
Graph a two-variable equation	TJA
Interpret a graph: word problems	KZD
Write an equation from a graph using a table	BCM
Calculate mean, median, mode, and range	ZZK
Unit rates	JSZ
Find the total given a part and a percent	D6L
Graph points on a coordinate plane	VHQ

Fall 2024 Placement - <u>Pre-algebra</u> - Complete the following skills - (20 links total)

<mark>Please complete all skills to a minimum Smart Score of 90.</mark>

Title of skill in IXL	Code
Add and Subtract Integers	FNS
Multiply and Divide Integers	R8D
Add, Subtract, Multiply, and Divide Decimals: word problems	TGN
Add, Subtract, Multiply, and Divide Fractions and Mixed Numbers: word problems	KR7
Write equations for proportional relationships from tables	6GU
Identify proportional relationships by graphing	AAN
Find the Constant of Proportionality from a graph	ZUT
Write equations for proportional relationships from graphs	JKH
Write variable expressions: two or three operations	EGS
Add and subtract linear expressions	6BT
Add and subtract like terms: with exponents	EQA
Factors of linear expressions	J9G
Solve one-step equations	WKM
Solve two-step equations	QEB
Solve two-step equations: word problems	D2Y
Solve equations: involving like terms	VSW
Write a two-variable equation	94Q
Identify the graph of an equation	WU5
Graph a two variable- equation	DQE
Interpret a graph: word problems	2V5

Fall 2024 Placement – <u>Algebra I Honors</u> - IXL Sections (Algebra I section): (20 links total)
<mark>Please complete all skills to a minimum Smart Score of 90.</mark>

Title of skill in IXL	Code
Square roots	7PZ
Cube roots	RNT
Add, subtract, multiply, and divide integers	UNC
Evaluate numerical expressions involving rational numbers	8CU
Evaluate variable expressions involving rational numbers	M9A
Identify functions	VLL
Graph solutions to one-step linear inequalities	E2Z
Solve proportions: word problems	8ES
Mean, Median, Mode and Range	MHB
Coordinate Plane Review	H6E
Calculate Quartiles and Interquartile Range	8H9
Simplify variable expressions involving like terms and the distributive property	ZXX
Identify equivalent linear expressions	62A
Solve equations using order of operations	8NT
Solve multi-step linear equations	28N
Solve equations with variables on both sides	7S7
Solve linear equations: mixed review	DN6
Find the slope of a graph	E7D
Slope-intercept form: find the slope and y-intercept	R5T
Slope-intercept form: write an equation from a graph	9GW

Fall 2024 Placement – <u>Geometry Honors</u> (15 links total)

<mark>Please complete all skills to a minimum Smart Score of 90.</mark>

IXL Sections (7 under the Geometry section):	
Title of skill in IXL	Code
Triangle Angle-Sum Theorem	UBU
Lines, Line Segments, and Rays	XFC
Angle Vocabulary	9U2
Identify Parallel, Intersecting, and Skew Lines and Planes	QZD
Classify Congruence Transformations	CXT
Nets and Drawings of 3-D Figures	PKE
Find Missing Angles in Quadrilaterals	6V4
IXL Sections (8 under the Algebra section):	
Title of skill in IXL	Code
Multiply Two Binomials	M7Q
Slope – Intercept Form: Graph an Equation	UWB
Slope – Intercept Form: Write an Equation from a Graph	9GW
Slope of Parallel and Perpendicular Lines	ADB
Write an Equation for Parallel or Perpendicular Lines	5SH
Solve Linear Equations: Complete the Solution	EVP
Area and Perimeter: Word Problems	EFA
Distance Between Two Points	AYD