Texas Essential Knowledge and Skills (TEKS) Alignment Chart

Numbers and operations

Focus TEKS	Activity	Page
8(2)(A)	Real Number Relationships	2
8(2)(B)	Irrational Numbers, Activity 1	4
8(2)(B)	Irrational Numbers, Activity 2	6
8(2)(C)	Scientific Notation, Activity 1	16
8(2)(C)	Scientific Notation, Activity 2	18
8(2)(D)	Ordering Real Numbers, Activity 1	8
8(2)(D)	Ordering Real Numbers, Activity 2	10
8(2)(D)	Ordering Real Numbers, Activity 3	14

Proportionality

Focus TEKS	Activity	Page
8(3)(A)	Attributes of a Dilation, Activity 1	142
8(3)(A)	Attributes of a Dilation, Activity 2	146
8(3)(A)	Attributes of a Dilation, Activity 3	148
8(3)(B)	Dilations on a Coordinate Plane, Activity 1	150
8(3)(C)	Dilations on a Coordinate Plane, Activity 2	152
8(3)(C)	Dilations on a Coordinate Plane, Activity 3	154
8(4)(A)	Slope, Activity 1	68
8(4)(A)	Slope, Activity 2	70
8(4)(B)	Unit Rate and Slope, Activity 1	108
8(4)(B)	Unit Rate and Slope, Activity 2	110
8(4)(B)	Unit Rate and Slope, Activity 3	112
8(4)(B)	Unit Rate and Slope, Activity 4	114
8(4)(C)	Rate of Change or Slope and <i>y</i> -intercept, Activity 1	72
8(4)(C)	Rate of Change or Slope and <i>y</i> -intercept, Activity 2	74
8(4)(C)	Rate of Change or Slope and <i>y</i> -intercept, Activity 3	76
8(4)(C)	Rate of Change or Slope and <i>y</i> -intercept, Activity 4	78
8(5)(A)	Proportional Relationships, Activity 1	116
8(5)(A)	Proportional Relationships, Activity 2	118
8(5)(B)	Non-Proportional Relationships, Activity 1	100

Focus TEKS	Activity	Page
8(5)(B)	Non-Proportional Relationships, Activity 2	102
8(5)(B)	Non-Proportional Relationships, Activity 3	104
8(5)(C)	Bivariate Data, Activity 1	230
8(5)(D)	Trend Lines, Activity 1	236
8(5)(D)	Trend Lines, Activity 2	238
8(5)(E)	Direct Variation, Activity 1	120
8(5)(E)	Direct Variation, Activity 2	122
8(5)(F)	Proportional and Non-Proportional Relationships, Activity 1	124
8(5)(G)	Functions, Activity 1	220
8(5)(G)	Functions, Activity 2	222
8(5)(G)	Functions, Activity 3	224
8(5)(G)	Functions, Activity 4	228
8(5)(H)	Proportional and Non-Proportional Relationships, Activity 2	128
8(5)(H)	Proportional and Non-Proportional Relationships, Activity 3	132
8(5)(H)	Proportional and Non-Proportional Relationships, Activity 4	134
8(5)(H)	Proportional and Non-Proportional Relationships, Activity 5	136
8(5)(I)	Multiple Representations, Activity 1	80
8(5)(I)	Multiple Representations, Activity 2	84
8(5)(I)	Multiple Representations, Activity 3	86
8(5)(I)	Multiple Representations, Activity 4	88
8(5)(I)	Multiple Representations, Activity 5	92

Expressions, equations, and relationships

Focus TEKS	Activity	Page
8(6)(A)	Volume of Cylinders, Activity 1	194
8(6)(A)	Volume of Cylinders, Activity 2	196
8(6)(B)	Cylinders and Cones	200
8(6)(C)	Pythagorean Theorem Models, Activity 1	20
8(6)(C)	Pythagorean Theorem Models, Activity 2	22
8(7)(A)	Volume of Cylinders, Activity 3	198
8(7)(A)	Volume of Cones	202
8(7)(A)	Volume of Spheres	206

Focus TEKS	Activity	Page
8(7)(A)	Volume of Cylinders, Cones, and Spheres	208
8(7)(B)	Surface Area of Prisms, Activity 1	210
8(7)(B)	Surface Area of Prisms, Activity 2	212
8(7)(B)	Surface Area of Cylinders, Activity 1	214
8(7)(B)	Surface Area of Cylinders, Activity 2	216
8(7)(B)	Surface Area of Prisms and Cylinders	218
8(7)(C)	Pythagorean Theorem, Activity 1	24
8(7)(C)	Pythagorean Theorem, Activity 2	26
8(7)(D)	Distance on a Coordinate Plane, Activity 1	28
8(7)(D)	Distance on a Coordinate Plane, Activity 2	32
8(8)(A)	Writing Equations from Situations, Activity 1	34
8(8)(A)	Writing Equations from Situations, Activity 2	36
8(8)(A)	Writing Inequalities from Situations	44
8(8)(A)	Writing Equations and Inequalities from Situations, Activity 1	50
8(8)(A)	Writing Equations and Inequalities from Situations, Activity 2	54
8(8)(B)	Writing Situations from Equations, Activity 1	40
8(8)(B)	Writing Situations from Equations, Activity 2	42
8(8)(B)	Writing Situations from Inequalities	48
8(8)(B)	Writing Situations from Equations and Inequalities	56
8(8)(C)	Modeling Equations, Activity 1	58
8(8)(C)	Modeling Equations, Activity 2	60
8(8)(C)	Solving Equations, Activity 1	64
8(8)(C)	Solving Equations, Activity 2	66
8(8)(D)	Parallel Lines and Transversals, Activity 1	182
8(8)(D)	Parallel Lines and Transversals, Activity 2	184
8(8)(D)	Parallel Lines and Transversals, Activity 3	188
8(8)(D)	Exterior Angles of Triangles	190
8(8)(D)	Angle-Angle Criterion	192
8(9)(A)	Intersecting Lines, Activity 1	94
8(9)(A)	Intersecting Lines, Activity 2	96
8(9)(A)	Intersecting Lines, Activity 3	98

Two-dimensional shapes

Focus TEKS	Activity	Page
8(10)(A)	Properties of Orientation and Congruence, Activity 1	174
8(10)(A)	Properties of Transformations	180
8(10)(B)	Properties of Orientation and Congruence, Activity 2	176
8(10)(C)	Counterclockwise Rotations	162
8(10)(C)	Clockwise Rotations	164
8(10)(C)	Representing Transformations Algebraically, Activity 1	166
8(10)(C)	Representing Transformations Algebraically, Activity 2	170
8(10)(D)	Measurements of Dilated Figures, Activity 1	156
8(10)(D)	Measurements of Dilated Figures, Activity 2	158
8(10)(D)	Measurements of Dilated Figures, Activity 3	160

Measurement and data

Focus TEKS	Activity	Page
8(11)(A)	Bivariate Data, Activity 2	232
8(11)(B)	Mean Absolute Deviation, Activity 1	240
8(11)(B)	Mean Absolute Deviation, Activity 2	242
8(11)(B)	Mean Absolute Deviation, Activity 3	244
8(11)(C)	Random Samples	246

Personal financial literacy

Focus TEKS	Activity	Page
8(12)(A)	Interest Rates and Loans	248
8(12)(B)	Loan Repayment	250
8(12)(C)	Growing Money Over Time	252
8(12)(D)	Simple vs. Compound Interest, Activity 1	254
8(12)(D)	Simple vs. Compound Interest, Activity 2	256
8(12)(E)	Payment Methods	258
8(12)(F)	Analyzing Financial Situations	260
8(12)(G)	Cost of College	262