

QUANTILE FRAMEWORK FOR MATHEMATICS



Linking Assessment With Mathematics Instruction

QUANTILE SKILLS & CONCEPTS (QSCS) ORGANIZED BY QUANTILE MEASURE

EXEMPLARS FROM OVER 500 QUANTILE SKILLS & CONCEPTS



1520Q Identify continuous and discontinuous functions and locate

1510Q Graph tangent, cotangent, secant, and cosecant functions and identify the domain, range, period and asymptotes of

1400Q Use the definition of a hyperbola to identify characteristics,

1380Q Identify asymptotes, intercepts, holes, domain and range of

1200Q Identify and interpret zeros of a quadratic function using

1180Q Use and interpret function notation in number and word problems; determine a value of the function given an

1020Q Define and identify complementary and supplementary

1010Q Use models to develop formulas for finding areas of triangles, parallelograms, trapezoids and circles in number

820Q Rewrite or simplify algebraic expressions including the use of the commutative, associative and distributive properties, and

770Q Organize, display and interpret information in stem-and-leaf

750Q Describe the effect of operations on size and order of

560Q Use the distributive property to represent and simplify

grouping symbols to simplify numerical expressions.

480Q Use addition and subtraction to find unknown measures of

450Q Determine the area of rectangles, squares, and composite figures using nonstandard units, grids and standard units in

390Q Organize, display and interpret information in tables and graphs (frequency tables, pictographs and line plots).

Write addition and subtraction sentences that represent a

200Q Organize, display and interpret information in line plots and

EM130Q Recognize the context in which addition or subtraction is

appropriate, and write number sentences to solve number or

before a Quantile measure below zero for material and

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