

Mathematics
Grade 8
Benchmark Test Answer Key
Third Testing Period
March 3-7, 2003

Item Number	Answer	TEKS	STUDENT EXPECTATIONS
1	C	8.2D	Use multiplication by a constant factor to represent proportional relationships.
2	D	8.1B	Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships
3	A	8.2C	Evaluate a solution for reasonableness.
4	A	8.12C	Construct circle graphs, bar graphs, and histograms, with and without technology
5	B	8.1C	Approximate the value of irrational numbers as they arise from problem situations.
6	B	8.9A	Use the Pythagorean Theorem to solve real-life problems.
7	A	8.10B	Describe the resulting effects on perimeter and area when dimensions of a shape are changed proportionally.
8	D	8.9B	Use proportional relationships in similar shapes to find missing measurements.
9	D	8.6B	Graph dilations, reflections, and translations on a coordinate plane.
10	C	8.9B	Use proportional relationships in similar shapes to find missing measurements.
11	*70.4	8.3B	Estimate and find solutions to application problems involving percents and proportional relationships such as similarity and rates.
12	A	8.2B	Add, subtract, multiply, and divide rational numbers in problem situations.
13	A	8.6B	Graph dilations, reflections, and translations on a coordinate plane.
14	D	8.10A	Describe the resulting effects on perimeter and area when dimensions of a shape are changed proportionally.
15	*1075.0	8.1B	Select and use appropriate forms of rational numbers to solve real-life problems including those involving proportional relationships
16	C	8.2B	Add, subtract, multiply, and divide rational numbers in problem situations.
17	A	8.6B	Graph dilations, reflections, and translations on a coordinate plane.
18	C	8.9A	Use the Pythagorean Theorem to solve real-life problems.
19	D	8.15A	Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.
20	B	8.15A	Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models.
21	D	8.13B	Recognize misuses of graphical or numerical information and evaluate predictions and conclusions based on data analysis.
22	D	8.13B	Recognize misuses of graphical or numerical information and evaluate predictions and conclusions based on data analysis.
23	C	8.12B	Draw conclusions and make predictions by analyzing trends in scatterplots.
24	C	8.13B	Recognize misuses of graphical or numerical information and evaluate predictions and conclusions based on data analysis.
25	B	8.12C	Construct circle graphs, and histograms, with and without technology

***Do not scan—will be scored on campus.**