

**Item Analysis of Mat-010A Final Exam spring 2010 based on final exams of 103 Mat-010A students**

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<b># of wrong responses (out of 103)</b>	<b>% of students getting a wrong response</b>	<b>Question #</b>	<b>Objective</b>
52	50.5%	10	Using the correct order of operations with whole numbers
52	50.5%	37	Simplifying a fraction
50	48.5%	16	Simplifying a fraction
50	48.5%	21	Finding the area of a triangle
50	48.5%	36	Writing a mixed number in decimal form
50	48.5%	38	Using the correct order of operations with decimals
49	47.6%	34	Dividing decimals
47	45.6%	33	Using the correct order of operations with decimals
46	44.7%	40	Multi-step word problem with decimals
44	42.7%	7	Simplify 0/n
44	42.7%	19	Subtracting mixed numbers with different denominators
44	42.7%	23	Multiplying mixed numbers
43	41.7%	20	Adding mixed numbers with different denominators
41	39.8%	28	Ordering Decimals
39	37.9%	13	Finding the cost of a carpet of rectangular shape
35	34%	25	Solving a fractional word problem using division
33	32%	32	Multiplying decimals
32	31.1%	11	Solving a whole number word problem using division
31	30.1%	18	Adding fractions with different denominators
28	27.2%	24	Dividing mixed numbers
27	26.2%	6	Multiplying whole numbers with trailing zeros
26	25.2%	8	Rounding whole numbers
26	25.2%	27	Writing a word name for a decimal fraction
25	24.3%	9	Dividing whole numbers
25	24.3%	26	Writing a word name for a decimal fraction
24	23.3%	12	Solving a multi-step word problem with whole numbers
24	23.3%	15	Listing the factors of a number
24	23.3%	17	Multiplying proper fractions
18	17.5%	5	Estimating a sum
18	17.5%	35	Solving a multi-step word problem with decimals
16	15.5%	4	Finding the missing side of a figure given the perimeter
14	13.6%	22	Dividing fractions
13	12.6%	30	Subtracting decimals
11	10.7%	2	Place value
11	10.7%	39	Solving a multi-step word problem with decimals

