

Item Analysis of Mat-010A Final Exam fall 2009 based on final exams of 254 Mat-010A students

Submitted by Susan Shulman

# of wrong responses (out of 254)	% of students getting a wrong response	Question #	Objective
136	54%	19	Subtracting mixed numbers with different denominators
132	52%	36	Writing a mixed number in decimal form
130	51.2%	10	Using the correct order of operations with whole numbers
128	50.4%	37	Simplifying a fraction
124	48.8%	20	Adding mixed numbers with different denominators
124	48.8%	34	Dividing decimals
123	48.4%	21	Finding the area of a triangle
122	48%	38	Using the correct order of operations with decimals
115	45%	23	Multiplying mixed numbers
115	45%	25	Solving a fractional word problem using division
113	44.5%	40	Multi-step word problem with decimals
108	42.5%	24	Dividing mixed numbers
107	42%	16	Simplifying a fraction
106	41.7%	28	Ordering Decimals
105	41%	13	Finding the cost of a carpet of rectangular shape
102	40%	7	Simplify $0/n$
97	38.2%	18	Adding fractions with different denominators
92	36.2%	33	Multiplying decimals by a power of 10
90	35.4%	27	Writing a word name for a decimal fraction
82	32.3%	11	Solving a whole number word problem using division
77	30.3%	8	Rounding whole numbers
74	29%	17	Multiplying proper fractions
69	27%	32	Multiplying decimals
66	26.0%	26	Writing a word name for a decimal fraction
63	24.8%	12	Solving a multi-step word problem with whole numbers
60	23.6%	15	Listing the factors of a number
58	22.8%	9	Dividing whole numbers
57	22%	35	Solving a multi-step word problem with decimals
53	20.9%	5	Estimating a sum
51	20%	22	Dividing fractions
48	18.9%	6	Multiplying whole numbers with trailing zeros
47	18.5%	30	Subtracting decimals
46	18%	4	Finding the missing side of a figure given the perimeter
38	15%	2	Place value
36	14%	39	Solving a multi-step word problem with decimals

