

MARS Tasks - 6th Grade

Name of MARS Task	Year	Math Strand	Notes
Baseball Players	2003	PS	mean, median, range in context
Gym	2003	PFA, NO	analyze gym costs to solve problems
Square Elk	2003	GM	find area, perimeter of letters on a grid
Spinners	2003	PS	identify, evaluate likelihood of spins
Rabbit Costumes	2003	NO	find material cost, fractions in context
Candy Bars	2004	NO, PFA	compare 3 ways to buy, find best buy
Biggest	2004	NO, PFA	great largest possible answer in fractions
Meals	2004	PS, PFA	correctly label parts of circle graph
Parallelograms	2004	GM	geom. shapes and their properties
School Days	2004	PS	analyze board game outcomes
Crystal Earrings	2005	PFA	describe, extend pattern, generalize
Money	2005	DA	analyze, interpret bar charts
Winning Spinners	2005	PS	find probability of winning prize
In The Playground	2005	GM	find area of sandbox, design bigger one
How Much Money?	2005	NO	determine fractions of \$ amounts
Smallest and Largest	2006	NP, NO	place numbers in +-X/ sentences=lg/sm
Nuts	2006	PS	circle graph, fractions, % to find amount
Sorting Shapes	2006	GM	draw shape that meet given attributes
Tetra	2006	PS	work out probabilities, change rules-fair
Bike Ride	2006	PFA	distance/time graph, interpret slopes
Division	2007	NP, NO	analyze quotient in variety of contexts
Card Game	2007	PS	probability in context, chngng sample sp
Factors	2007	NP	describe patterns in # w/diff factor char.
Household Statistics	2007	DA	interpret bar graph info, calculate %
Building Blocks	2007	GM	calculate volume and surface area
Snail's Pace	2008	NO	distance, time, rate, inches/min
Black and White	2008	PS	probabilities, meaning of fractions
A Number Pattern	2008	PFA	describe, extend a number pattern
Percent Cards	2008	NP	fractions, decimals, % on numb. line
Area and Perimeter	2008	GM	calculate area & perimeter, create rect.
Sewing	2009	NO	work with rule, find cost, calculate % tax
Truffles	2009	PFA	extend recipe, make a rule
Boxes	2009	PFA, GM	weigh 9 boxes, using scale 2 times
Skateboarding	2009	GM	angles, degree of rotation in context
A Board Game	2009	PS	probability of win, determine if fair

NP=Number Properties

NO=Number Operations

PFA=Patterns Functions Algebra

GM=Geometry & Measurement

PS=Probability, Statistics

DA=Data Analysis