

July 20: 5th Grade Math

Webb DOK PPT
Mathematics Depth
Rich Tasks Exercise

You Go First

Number & Operation

non-traditional strategies with division
make a dollar game
overdue fines
NCTM a pin for mr. mitchell
prime factorization for LCM/GCF (ladder method)
patterns of division by zero

Fractions:

pattern blocks (more than one) (NLVM) (equivalent) (pattern block division) (mixed improper)
pizza problems (pizza pieces) (pizza problems) (NCTM polygon pizza) (sharing fractions)
tangrams (fractions/decimals/percents)

Algebra:

NCTM balance scales
NCTM catch of day
NCTM triangle rule
Spaghetti and Meatballs For All
NCTM graphic stories
NCTM from graphs to stories
NCTM from stories to graphs
NCTM building with toothpicks
hallways bedrooms
how big is a foot
NCTM building with toothpicks
represent patterns (aka diagram algebra)
NCTM piecing ideas together
NCTM what's the best deal
algebra tiles (one step equations)
order operations game

Geometry/Measurement:

area comparison
coordinate plane
circle sectors
quad sort
measurement olympics
flagging angles
geoboards
tangrams (what's your angle)
NCTM piecing ideas together
isometric dot paper activities
platonic solids (nets)
surface area & volume

Data/Probability:

dice differences
remove one
snake eyes
spinners
mean, mode, median, range: shoe sizes
are you square?