

# Problems 41 – 60

## (56 mastery skills from Number Dojo)

- 1. Addition, subtraction, multiplication & division of fractions and mixed numbers**
  - AddDeciFrac , AddFracDiff, AddFracRecip, AddMixDiff, SubFracDiff, Mult\*a/b, MultFrac100, MultFracWhol2, SubMixSame, SubMixDiff, MultMixF+1, MultMixDiff, MultMixSameF, MultMixWhole, DivMix
- 2. Substitution problems**
  - SubstDirect, SubstRatio
- 3. Perimeter/area of: square, rectangle, triangle**
  - Squares, Rectangle, Triangles, PolygonSides
- 4. Radius/diameter of a circle**
  - Circles
- 5. Powers & roots of numbers**
  - MultPowers2&5, Square21-30, Exponent, CubesPowers, SquareEnd5, SquareRoot, CubeRoot
- 6. Solving simple equations**
  - SolveX
- 7. Sequences**
  - SeqNextTerm, SeqNthTerm
- 8. Sets**
  - SetsElements, SetsIntersect, SetsUnion, SetsUnion+Int, SetsSubsets, SetsProperImp
- 9. Word problems**
  - SolveXWord
- 10. Volume of cube/rectangular box**
  - CubesSolid, Prism
- 11. Right triangle problems**
  - TriangleRight
- 12. More multiplication short-cuts**
  - Mult111, Mult1001, Mult143, FOIL2by2Digit
- 13. Base systems conversions**
  - BaseNtoBase10, Base10toBaseN, Base2toBase4, Base4toBase2, Base8toBase2, *Base2toBase8*, *Base3toBase9*, *Base9toBase3*, BaseAdd, BaseSub