



and connections with the
Common Core Standards

Standards for Mathematical Practice

SMP1: Make sense of problems and persevere in solving them.

SMP2: Reason abstractly and quantitatively.

SMP3: Construct viable arguments and critique the reasoning of others.

SMP4: Model with mathematics.

SMP5: Use appropriate tools strategically.

SMP6: Attend to precision.

SMP7: Look for and make use of structure.

SMP8: Look for and express regularity in repeated reasoning.

All of the *Nifty Numbers* activities were designed to promote critical thinking skills. The parent participation booklet offers some suggested higher-order thinking questions for parents to ask their children as they are involved in the activity. As parents work with their children and enter into deeper mathematical conversations, they will be addressing the *Standards for Mathematical Practice* and promoting greater learning and understanding.





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Dominoes	
Beginning Level	K.CC.A.1; K.CC.A.2; K.CC.A.3; K.CC.B.4; K.CC.B.5; K.CC.C.6; K.OA.A.1; K.OA.A.2; K.OA.A.3; K.OA.A.5; 1.OA.A.1; 1.OA.B.3; 1.OA.B.4; 1.OA.C.5; 1.OA.C.6; 1.OA.D.7; 1.OA.D.8; 1.NBT.A.1
Intermediate Level	1.OA.D.7; 2.OA.A.1; 2.OA.B.2; 2.NBT.B.5; 2.NBT.B.9; 3.OA.D.8; 3.NBT.A.2
Advanced Level	4.OA.A.1; 4.OA.A.2; 4.OA.B.4; 4.NBT.B.4; 5.OA.A.2; 5.NBT.B.5
Growing Equations	
Beginning Level	K.CC.A.1; K.CC.A.2; K.CC.A.3; K.CC.B.4; K.CC.B.5; K.CC.C.6; K.OA.A.1; K.OA.A.2; K.OA.A.3; K.OA.A.5; K.NBT.A.1; 1.OA.A.1; 1.OA.A.2; 1.OA.B.3; 1.OA.B.4; 1.OA.C.5; 1.OA.C.6; 1.OA.D.7; 1.OA.D.8; 1.NBT.A.1; 1.NBT.B.2; 1.NBT.C.4
Intermediate Level	2.OA.A.1; 2.OA.B.2; 2.NBT.A.1; 2.NBT.B.5; 2.NBT.B.6; 2.NBT.B.7; 2.NBT.B.9; 3.NBT.A.2; 3.NBT.A.3; 3.OA.A.4; 3.OA.B.5; 3.OA.B.6; 3.OA.C.7
Advanced Level	4.OA.A.1; 4.NBT.A.2; 4.NBT.B.4; 4.NBT.B.5; 4.NF.B.3; 4.NF.B.4; 5.OA.A.1; 5.NBT.A.3.A; 5.NBT.B.5; 5.NBT.B.6; 5.NF.B.4; 5.NF.B.7
Nimble Numbers	
Beginning Level	K.CC.B.4; K.CC.B.5; K.CC.C.6; K.CC.C.7; K.CC.A.3; K.CC.C.7; 1.OA.A.1; 1.OA.C.5; 1.NBT.A.1; 1.NBT.B.2
Intermediate Level	2.OA.A.1; 2.NBT.B.5; 2.OA.B.2; 3.NBT.A.1; 3.NBT.A.2
Advanced Level	4.OA.B.4
Pattern	
Beginning Level	Emphasis on SMP1, SMP7 and repeating patterns.
Intermediate Level	2.OA.C.3; 2.OA.B.2; 2.NBT.A.2; 2.NBT.B.8; 3.OA.C.7; 3.OA.D.9
Advanced Level	4.OA.C.5; 4.NBT.B.6; 5.OA.B.3





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Pattern Blocks	
Beginning Level	K.CC.A.1; K.CC.B.4; K.CC.B.5; K.CC.C.6; K.OA.A.2; K.G.A.2; 1.G.A.1
Intermediate Level	2.G.A.1; 3.NF.A.1; 3.NF.A.3.A; 3.NF.A.3.B; 3.NF.A.3.C; 3.NF.A.3.D; 3.G.A.1;
Advanced Level	4.NF.A.1; 4.NF.A.2; 4.NF.B.3.A; 5.NF.A.1
Rolling Numbers	
Beginning Level	K.CC.B.4; K.CC.B.5; K.CC.C.6; K.CC.A.2; K.OA.A.1; 1.OA.A.1; 1.OA.C.5; 1.OA.C.6
Intermediate Level	2.OA.A.1; 2.OA.B.2; 2.OA.C.3; 3.NBT.A.2
Advanced Level	4.OA.A.2; 5.OA.A.2
The Unknowns	
Beginning Level	K.CC.A.1; K.CC.A.3; K.CC.B.4; K.CC.B.5; K.CC.C.6; K.OA.A.1; K.OA.A.2; K.OA.A.3; K.OA.A.5; 1.OA.A.1; 1.OA.B.3; 1.OA.B.4; 1.OA.C.6; 1.OA.D.8
Intermediate Level	2.OA.A.1; 2.OA.B.2; 2.OA.C.3; 3.OA.A.4; 3.OA.A.1; 3.OA.A.2; 3.OA.A.3; 3.OA.B.6; 3.OA.C.7
Advanced Level	Emphasis on SMP1, SMP2 and SMP7
Who Am I?	
Beginning Level	K.CC.A.1; K.CC.A.2; K.CC.A.3; K.CC.B.4; K.CC.C.6; K.CC.C.7; K.OA.A.1; K.OA.A.2; 1.OA.A.1; 1.OA.B.4; 1.OA.C.5; 1.OA.C.6; 1.NBT.A.1; 1.NBT.C.4; 1.NBT.C.5
Intermediate Level	2.OA.A.1; 2.OA.B.2; 2.OA.C.3; 3.NBT.A.2
Advanced Level	4.OA.B.4; 4.OA.A.2

