

Computational Fluency

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Developing Computational Fluency

Try these...think about your thinking:

Computational fluency involves...

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Priorities (as seen in Singapore Mathematics):

1)

2)

3)

Examples:



Be Systematic:

Grade	Standard	Required Fluency
Kindergarten	K.OA.5	Add within 5
		Subtract within 5
First Grade	1.OA.6	Add within 10
		Subtract within 10
Second Grade	2.OA.2	Add within 20
		Subtract within 20
	2.NBT.5	Add within 100
		Subtract within 100
Third Grade	3.OA.7	Multiply within 100
		Divide within 100
	3.NBT.2	Add within 1,000
		Subtract within 1,000
Fourth Grade	4.NBT.4	Add within 1,000,000
		Subtract within 1,000,000
Fifth Grade	5.NBT.5	Multi-digit multiplication

2

Know what they Know:

3

Invest in Thinking: