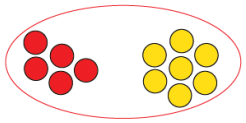
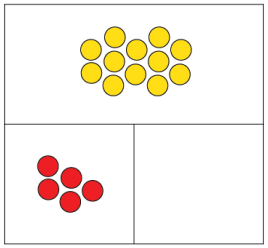
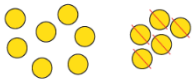
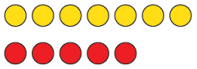
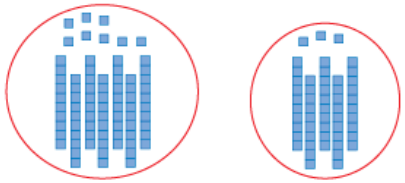
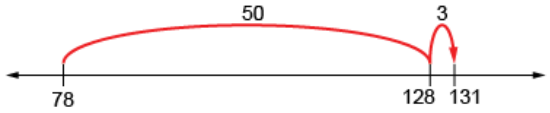
Number

Activity 24 Assessment

Creating and Solving Problems with Larger Numbers

Developing Meaning of Addition and Subtraction

Recognizes addition and subtraction situations	Models concretely to add and subtract	Models and symbolizes addition and subtraction
Join  5 + 7 = ___ Part-part-whole  5 + __ = 12 Separate  12 – 5 = ___ Compare  7 = 5 + ___	78 + 53 = _____  “78” “88, 98, 108, 118, 128, 129, 130, 131”	78 + 53 = _____  “I add 5 tens and 3 ones. 78 + 53 = 78 + 50 + 3, or 131”

Observations/Documentation

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Number

Activity 24 Assessment

Creating and Solving Problems with Larger Numbers

Developing Meaning of Addition and Subtraction (con't)		
Estimates sums and differences to check reasonableness 231 – 142 = 89 "230 – 140 = 90, which is close to 89 so my answer is reasonable."	Creates and solves problems "There are 231 birds in the tree. Some birds flew away. Now there are 142 birds in the tree. How many birds flew away?" 231 − □ = 142 89 birds flew away.	Uses properties and inverse operations of addition and subtraction to solve problems 231 − □ = 142 "I can think addition to help me solve the problem: 142 + □ = 231"
Observations/Documentation		

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Number

Activity 24 Assessment

Creating and Solving Problems with Larger Numbers

Developing Fluency for Addition and Subtraction		
Fluently adds and subtracts within 5 "I know 4 + 1 = 5 and 5 – 1 = 4."	Fluently adds and subtracts to 10 "I know 8 + 2 = 10 and 10 – 2 = 8." (complements to 10)	Fluently adds and subtracts to 20 "I can use doubles. I know 9 + 9 = 18 and 18 – 9 = 9."
Observations/Documentation		

Uses known sums and differences to solve addition and subtraction equations "25 + 37 = □ I know 25 + 30 = 55, and 55 plus 5 is 60, and 2 more makes 62." (decomposing, known facts)	Develops mental strategies and algorithms 129 + 232 = □ I take 1 from 32 and give it to 129 to get 130 + 231. 130 + 230 = 360, and 1 more is 361." (compensation)	Estimates sums and differences 149 + 138 = □ "149 is close to 150. 138 is close to 140. 150 + 140 = 290" (using benchmarks)
Observations/Documentation		

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