



First Grade

concepts & tools

1.NR.1: Extend the count sequence to 120. Read, write, and represent numerical values to 120 and compare numerical values to 100.

Counting on a 120 chart

Counting by 10's on a 120 chart

Number Line

Comparing numbers



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1.NR.2: Explain the relationship between addition and subtraction and apply the properties of operations to solve real-life addition and subtraction problems within 20.

Ten Frames

Making 10 to add on to a double 10 frame

Getting to 10 to subtract on a double ten frame

Linking Cubes

Add doubles Subtract and compare

Doubles plus 1, doubles minus 1



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1.NR.2: Explain the relationship between addition and subtraction and apply the properties of operations to solve real-life addition and subtraction problems within 20.

Part-Part Whole Model

Add within ten

Use Part-Part Whole Model to show a Missing Addend

Use Put Together and Take Apart to Model Addition and Subtraction

Use a Part-Part Whole Model to show a Subtraction problem

Solve for a Missing Addend



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1.NR.2: Explain the relationship between addition and subtraction and apply the properties of operations to solve real-life addition and subtraction problems within 20.

Part-Part Whole Model cont.

Identify the whole and a part

Identify the parts of a subtraction equation

Identify the given addend

Write related addition and subtraction equations to complete a fact family.



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1.NR.2: Explain the relationship between addition and subtraction and apply the properties of operations to solve real-life addition and subtraction problems within 20.

Number Lines

Counting on/Counting back to Add and Subtract within 10

Counting on/Counting back to Add and Subtract within 20

Use an open number line to Add and Subtract tens



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1.NR.5: Use concrete models, the base ten structure, and properties of operations to add and subtract within 100.

Number Lines

Add two numbers