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ADDITION STRATEGY **DOUBLES**

The Doubles help with the Near Doubles.









3rd

ADDITION STRATEGY **DOUBLES**

The Doubles help with the Near Doubles.

250 + 250



4th

ADDITION STRATEGY Near Doubles

The Doubles help with the Near Doubles.

25 + 26 25 + 26 = **25** + (**25** + 1)



4th

3rd

ADDITION STRATEGY Near Doubles

The Doubles help with the Near Doubles.

250 + 260

 $250 + 260 = 250 + (250 + 10)^{(3)}$



4th

ADDITION STRATEGY Add Up in Chunks

Keeping one addend whole, add the second addend in friendly chunks.



4th

3rd

ADDITION STRATEGY Add Up in Chunks

Keeping one addend whole, add the second addend in friendly chunks.



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ADDITION STRATEGY Compensation

Make friendlier numbers by removing from one addend, then adding the same amount to the other addend.

$\frac{-1}{16} + \frac{+1}{20} = 36$

17 + 19

3rd

ADDITION STRATEGY Compensation

Make friendlier numbers by removing from one addend, then adding the same amount to the other addend.

127 + 119 -1 + 1 126 + 120 = 246

ADDITION STRATEGY Make Friendly Numbers

3rd

4th

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Make a friendly number by decomposing another addend.

18 + 6

18 + 2 = 20

20 + 4 = 24



ADDITION STRATEGY Make a Ten

4th

3rd

Make a ten by decomposing another addend.



ADDITION STRATEGY Make a Ten

Make a ten by decomposing another addend.

138 + 116(130 + 8) + (110 + 2 + 4)130 + 110 + (8 + 2) + 4240 + 10 + 4250 + 4 = **254**

4th

3rd 4th

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SUBTRACTION STRATEGY Add Up

Start with the **subtrahend**, add up in friendly chunks to the **minuend**.



SUBTRACTION STRATEGY Add Up

Start with the subtrahend, add up in friendly chunks to the minuend.



4th

subtraction strategy Removal

3rd

4th

Start with the **minuend**, remove the **subtrahend** in friendly chunks.



subtraction strategy Removal

4th

5th

Start with the **minuend**, remove the **subtrahend** in friendly chunks.



SUBTRACTION STRATEGY CONStant Difference

Changing both the **minuend** and **subtrahend** by the same amount.



3rd

SUBTRACTION STRATEGY CONStant Difference

Changing both the **minuend** and **subtrahend** by the same amount.



310 SUBTRACTION STRATEGY Adjust One Number Adjusting one number to make a friendlier problem. 43 – 29 +143 - 30 = 13All Sorts of Math 13 + 1 = 14 20 |6 ©



4th SUBTRACTION STRATEGY Adjust One Number Adjusting one number to make a friendlier problem. 103 - 59 +1103 - 60 = 43All Sorts of Math 43 + 1 = 4420 16 ©





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4th SUBTRACTION STRATEGY Place Value Decompose and subtract by the place value 245 - 168 200 - 100 = 10040 - 60 = -205 - 8 = -3100 - 20 - 3 = 77

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