

Other Strategies ...

For $25 + 33$ think,
 $25 + 35 - 2$
or $60 - 2$

Adjusting and compensating

$27 + 20$
is the same
as $20 + 27$

Using the commutative property

For $12 - 5$ think, $5 + \underline{\quad}$ is 12

Using addition to subtract

If you know $8 + 4$ is 12 , you
know $8 + 5$ is one more or 13
and $8 + 3$ is one less or 11
Using one more and one less

For $3 + 5$, think 5 and 3 more
or start at 5 then $6, 7, 8$
For $5 - 3$ think, 3 less than 5
or start at 5 then $4, 3, 2$
Counting on and counting back



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Early Years Mathematics *from the ground up*

*Accomplish
Anything*



*Ladders to success in early years
multi-age classrooms.*

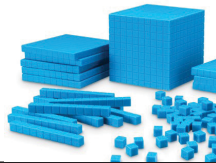
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resources, visit: www.pembinatrails.ca

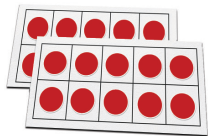
Subitizing

Identifying a number of objects without counting.

Place Value Blocks



Ten Frame Cards



Dice and Domino Patterns



Finger Patterns



Friendly Numbers

10 and multiples of 10 are easy numbers to work with.

$385 + 35 = (385 + 15) + 20$ or
 $400 + 20 = 420$
 $420 - 35 = (420 - 20) - 15$ or
 $400 - 15 = 385$
Making hundreds to add/subtract

$18 + 5 = 20 + 3$ or 23
 $23 - 5 = 20 - 2$ or 18

Making tens to add/subtract

$23 + \underline{\quad} = 30$

Making multiples of 10

$4 + 6$ make 10
 $5 + 5$ make 10
 $3 + \underline{\quad} = 10$

Combinations that make 10

Doubles

Known doubles are easy numbers to work with.

$495 + 532 =$
 $500 + 500 + 32 - 5 =$
 $1000 + 27$ or 1027

Even larger doubles

$27 + 25$ is $(25 + 2 + 25)$
or $50 + 2$

Larger doubles

$5 + 6$ is $5 + 5 + 1$
or $6 + 6 - 1$

Doubles plus/minus 1 and
doubles plus/minus 2



Doubles
to 10

Place Value

A digit's position determines its value.

$26 + 48 = (20 + 40) + (6 + 8)$
 $46 - 28 = (30 + 16) - (20 + 8)$
or $(30 - 20) + (16 - 8)$
Using place value to add and
subtract larger numbers

$57 + 34 = 57 + 30 + 4$
or $87 + 4$ or 91

Partitioning to add and subtract

$28 = 2$ tens and 8 ones or
 1 ten and 18 ones

Showing numbers in
non-standard ways

$14 = 10 + 4$

Taking numbers apart
(partitioning)

$1 = 1$ unit
 1 group of $10 = 1$ ten

Making groups of 10