

## Adding and Subtracting 9

To add on 9 the easy method is to add on 10 then take 1 away

E.g.  $24 + 9 = ?$

becomes  $24 + 10 = 34$

becomes  $34 - 1 = 33$

To subtract 9, the easy method is to subtract 10 then add on 1

E.g.  $36 - 9 = ?$

becomes  $36 - 10 = 26$

becomes  $26 + 1 = 27$

Children respond to activities that involve active learning in a real context. Interacting with your child by talking about maths or playing games is very worthwhile. Numbers are everywhere, on buses, on telephones, on money etc. The following suggestions can involve you and your child informally in maths activities, and make their learning enjoyable.

Some games to support mathematics are Snakes and ladders, Dominoes, Playing cards, Bingo, Connect 4 and Yahtzee.

The learning process can increasingly involve the use of computers. The following websites offer children practice and extension in using their maths skills.

[www.sumdog.com](http://www.sumdog.com)

[www.funbrain.com/kidscenter.html](http://www.funbrain.com/kidscenter.html)

[www.aaamath.com](http://www.aaamath.com)

<http://www.primarygames.com/math.php>

<http://www.bbc.co.uk/education/mathsfile/index.shtml>



# Applegrove Primary Mental Maths

## First Level

### P1 - P4

## Addition & Subtraction

Methods of mental calculation are vital in helping children to understand number and use it well. Regular oral and mental work develops children's calculation strategies and recall skills.

## Curriculum for Excellence Numeracy Targets

I can share ideas with others to develop ways of estimating the answer to a calculation or problem, work out the actual answer, then check my solution by comparing it with the estimate. [MNU 1-01a](#)

I can use addition, subtraction, multiplication and division when solving problems, making best use of the mental strategies and written skills I have developed.

[MNU 1-03a](#)

### Activities

Board games can help to teach children about numbers. Popular games can be fun and will help build confidence.

- ♦ Snakes and ladders
- ♦ Monopoly
- ♦ Scrabble
- ♦ Card games
- ♦ Dominoes
- ♦ Computer games

**Addition** - add, and, makes, gives, equals, plus, double, near double, How many altogether? Total

**Subtraction** - take away, minus, subtract, leaves, How many are left? Difference between, How many more? Less than

Useful Words

## Mental Strategy Examples

Show the steps the children would go through while thinking this through.

### Number bonds to 20

$14 + 6 = 20$  so  $20 - 6 = 14$  and  $20 - 14 = 6$

When children are confident at using number bonds to 10 and 20, they can easily extend this knowledge to work with numbers up to 100

E.g.  $2 + 3 = 5$

$4 + 2 = 6$

$12 + 3 = 15$

$40 + 20 = 60$

$62 + 3 = 65$

### Doubles and near doubles

$7 + 7 = 14$

$7 + 8 = \text{double } 7 + 1 = 15$

### Empty Number Line

