

# Monster Challenges - Eggstraordinary Eggs

NFL#29

MONSTER CHALLENGES  
**1**

Adding 9 Challenge! Go on a number hunt around your home! You might find a number of clothes pegs... can you add 9 to it? You might find some numbers on the clock... can you add 9 to them?



MONSTER CHALLENGES  
**2**

Farmer Pete's Adding 9 Games Check out the Parent Ideas pack that goes with the 'My Strategy for Adding 9' song on the Number Fun Portal. Can you beat your partner in the Adding 9 - No More Tens game?



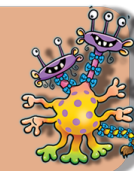
MONSTER CHALLENGES  
**3**

Dave's Mum's Number Challenge! How many consecutive numbers can you write down in 30 seconds, starting at 1? Put an addition sign in between each one. Can you add up all the numbers you've written down?



MONSTER CHALLENGES  
**4**

Alie' Nugget Challenge! Today we have adding 9 to 2-digit numbers. Use some dice, coins, playing cards, or number cards to create some 3-digit numbers. Can you add 98, 199 and 297 to each of these numbers?



We hope you enjoy these mathematical challenges. Dave would love to see what you've been up to! Please send your pictures and messages to Dave: [live@numberfun.com](mailto:live@numberfun.com) @NumberFunDave  
The songs featured in today's Number Fun Live can be accessed on the Number Fun Parent Portal.

# Adding two numbers mentally!

In today's Number Fun Live, Farmer Pete has been adding 8, 9, 18 and 19 to a 2-digit number of eggs. In yesterday's Number Fun Live we explored 'Partitioning', 'Counting On', 'Number Bonds' and 'Double and Adjust' - four of the six mental addition strategies you will be encouraged to use within school. The two additional strategies Farmer Pete used today we have called, 'Round and Adjust' and 'Manipulate the Calculation'.

## Here is your challenge for today:

- 1: Go back to the Number Fun Portal and re-watch the video for RaPa CoDa Numbo. There is a version in both the 7-9 and 9-11 age ranges. This song shows clearly the Round and Adjust strategy.
- 2: Look carefully at the imagery and try to understand how this strategy is different from the others and why it is most appropriate when the addend that's being added is close to the next multiple of (e.g. 10).
- 3: Use some dice, coins, playing cards, or number cards to create some 3-digit numbers. Can you add 98, 199 and 297 to each of these numbers? Play with both the 'Round and Adjust' and the 'Manipulate the Calculation' options. Which one do you prefer? Why?

### 'Round and Adjust' in a Nutshell

In Round and Adjust, the addend is rounded to the next multiple (e.g. of 10) and then added to the augend (the first number). The total is adjusted to take into consideration how much the addend was increased by the rounding!  
E.g.  $46 + 18 = ?$  The 18 is rounded to 20 and added to the 46, to give a total of 66.  
2 is then removed from 66 to compensate for the fact that 20 is 2 greater than 18!



### 'Manipulate the Calculation' in a Nutshell

In Manipulate the Calculation, one of the addends is partitioned into two numbers and one of these partitions is combined with the other addend.  
E.g.  $46 + 18 = ?$      $46 = 44 + 2$   
The 2 is moved from the 46 to the 18.  
Then calculation becomes  $44 + 20!$



## Alie's Nugget Challenge

