# Friday Computer Challenges

*Today we have given you some games to play which look at similar skills to the objectives taught this week.*

*Remember if you know your numbers bonds within 20 really well, this will help you with addition and subtraction with large numbers!*

**Bottle Take Away** - https://www.ictgames.com/mobilePage/bottleTakeAway/index.html

A tablet-friendly subtraction game.
**Learning objectives:**
**Y1: Pupils should be taught to identify (one more and) one less, when given a number.**
**Y1: Pupils should be taught to subtract one-digit (and two-digit numbers) to 20.**
Sing 'Ten Green Bottles' as you click on the bottles to let them smash to the floor.
Shout **'ANGRY CHEF!'** if you see the annoyed cook stomping through the restaurant.
The '+' and '-' buttons are there for you to reset the number of bottles. This can be done at any time.

**Twilight Take-Away** - https://www.ictgames.com/mobilePage/fireFly/index.html

Calculate subtraction as **difference** by using **The Bar Model**.
LO:
Y2:To solve problems with (addition and) subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.
Y2:To recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
Y2:To recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.
The fireflies have been collecting fairy dust. Work out the difference between how much the yellow flies collected and how much the green flies collected.

This game uses **The Bar Model** as an informal calculation strategy to illustrate **subtraction as difference**.

Have fun!

**Smoothie Maths** - https://www.ictgames.com/mobilePage/smoothie/index.html

Quick recall of addition and subtraction facts.
- Y1: represent and use number bonds and related subtraction facts within 20
- Y1: add and subtract one-digit and two-digit numbers to 20, including 0
- Y2: recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

You have 2 minutes to answer as many maths facts as you can. Each time you get one right you'll drop a piece of fruit into your smoothie. When your time is up you'll whizz your smoothie and make a tasty drink. How many can you answer in 2 minutes?

Have fun!

**Handy Counters** - https://www.ictgames.com/mobilePage/handyCounters/index.html

Model subtraction in a way in which you can see the removed amount.
- Y2: add and subtract numbers using concrete objects and mentally, including:a two-digit number and 1s
- Y2: show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot
  Y2: recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing nu

**Number Fact Families** - https://www.topmarks.co.uk/number-facts/number-fact-families

## About Number Fact Families

A tablet-friendly maths game where children need to work out the collection of related addition and subtraction or multiplication and division fact family relationships given 3 random numbers.

Recognising fact families is an important number concept where children can recognise inverse operations such as 3 + 5 = 8 and 8 - 3 = 5. This game which has differing levels of difficulty is suitable for children aged 6 to 11 year olds.