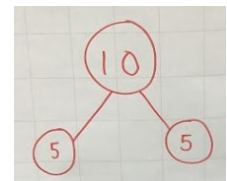
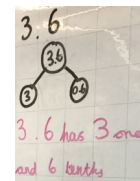
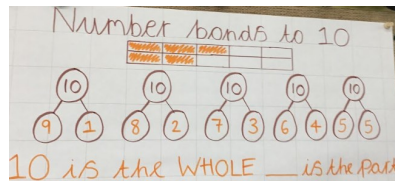
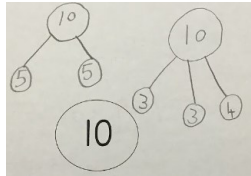
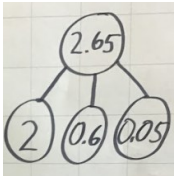


Representations: The Part-Whole Model (The Cherry Model)

Representations are crucial in a maths lesson to expose the mathematical structure and to support the context of the learning. Over time, children should progress to using the abstract without the representation. This is when the maths seems easy!


The **Cherry Model** is a representation used to show how parts are combined to make the whole. You can use numbers, counters, objects or even pictures to show the part-whole representation.



Famous Mathematicians:

Hypatia - our green team philosopher- was a famous mathematician. She was the first woman to give importance to mathematics. For many young women, she became an inspiration and encouraged them to pursue their dreams. In Hypatia's history, she was the last famous mathematician.





The Hillcross Times Table Pledge

It is better to *solve one problem five different ways* than to *solve five problems one way*.



As a school, we **pledge** to devote 10 minutes every day to practise times tables. This could be through a recall game or a teaching strategy.

In return, **you pledge** to practise your times tables at home, every day, for a minimum of 10 minutes.

By following this pledge, you will become **more efficient mathematicians** and be **confident** in **applying** your knowledge to different contexts in mathematics.

The Hillcross Times Table Pledge for Key Stage 2:

To improve fact fluency, please encourage your child to follow our pledge and devote 10 minutes every day to learning their times tables. Don't forget you can use Times Tables Rock Stars to do this!



Number Confidence Week

Monday 6th - Friday 10th November 2023

At Hillcross, we are passionate about raising confidence in maths. From Monday 6th - Friday 10th November, we will be taking part in national Number Confidence Week. The annual event is designed to increase confidence in mathematics, with a particular focus this year on number fluency.

We will be launching our new whole school Number Pledge (please see below) and giving children the opportunity to engage in a range of daily challenges, in class and around school.



The Hillcross Number Pledge

Without mathematics, there's nothing you can do. Everything around you is mathematics. *Everything around you is numbers.*



As a school, we **pledge to devote 10 minutes every day to practise our number facts** in order to improve our understanding of numbers and become fluent mathematicians.

In return, **you pledge to practise your number facts at home, every day, for a minimum of 10 minutes.**

This fluency practice can be: subitising, counting, doubling, halving, adding and subtracting using varied representations.



Hillcross Maths Number Challenge To Try At Home:

How many different ways can you make the number 8. Don't forget to consider using representations!

Your class teachers would love to see and hear all of the different variations!