Key Instant Recall Facts
Year 3 – Spring 2

I aspire to know doubles of all multiples of 10 to 100.

By the end of this half term, you should be able to know the following facts. The aim is for them to recall these facts **instantly**.

10 + 10 = 20	60 + 60 = 120
20 + 20 = 40	70 + 70 = 140
30 + 30 = 60	80 + 80 = 160
40 + 40 = 80	90 + 90 = 180
50 + 50 = 100	100 + 100 = 200

Key Questions

What is **double** 70?
What is **double** 300?
If double 10 is 20 what would double 100 be? What do you notice?

Top Tips

The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey?

Your Home Learning this half term...

Challenge 1: Practical activity	The "Mirror Magic" Shop
	This helps children visualize that doubling is just two groups of the same thing. Grab some coins, LEGO bricks, or even pasta pieces. Label them as "10s" or "100s" using small scraps of paper.
	The Activity: Ask your child to set a "price" for a toy using the tens or hundreds (e.g., "This teddy costs 30").
	The Double: Tell them there is a "Buy One Get One Free" sale. To get the second toy, they must "double" the price.
	The Goal: They lay out another 30 and count the total: 30 + 30 = 60
Challenge 2: Fluency	https://www.topmarks.co.uk/maths-games/daily10
	Select level 3 and doubles. Select the timer you would like. Challenge yourself to answer the questions quicker each time
Challenge 3: Increasing fluency	Play hit the button. Doubling multiples of 10 https://www.topmarks.co.uk/maths-games/hit-the-button
Challenge 4: Reasoning	Solve these questions: I doubled a number and got 160. My friend doubled a different number and got 140. Whose starting number was bigger? Explain how you know. I am thinking of a multiple of 10. When I double it, the answer is between 100 and 140. What could my number be? (Find all possible answers.)
Challenge 5: Problem Solving	Solve the questions: A school buys 40 pencils for Class 3A and the same number for Class 3B. Then 10 pencils are lost. How many pencils are left? There are 30 cupcakes on one table and the same number on another table. 20 cupcakes are sold. How many cupcakes are left?