

**St Wilfrid’s**

Catholic Primary School

**KIRF’s – KEY INSTANT RECALL FACTS**

To help develop children’s fluency in mathematics, we ask them to learn Key Instant Recall Facts each half term. We expect children to practise their KIRFs at least 3 times a week.

Year 4 – Autumn 1

**I know number bonds to 100.**

By the end of this half term the children should know the following facts. The aim is for them to recall these facts instantly.

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| Some examples:  60 + 40 = 100  40 + 60 = 100  100 – 40 = 60  100 – 60 = 40  75 + 25 = 100  25 + 75 = 100  100 – 25 = 75  100 – 75 = 25 | **Key Vocabulary**  What do I **add** to 65 to make 100?  What is 100 **take away** 6?  What is 13 **less than** 100?  **How many more** than 98 is 100?  What is the **difference** between 89 and 100  37 + 63 = 100  63 + 37 = 100  100 – 63 = 37  100 – 37 = 63  48 + 52 = 100  52 + 48 = 100  100 – 52 = 48  100 – 48 = 52 |

This list includes some examples of facts that children should know. They should be able to answer questions including missing number questions e.g. 49 + ⃝ = 100 or 100 – ⃝ = 72

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? You don’t need to practise them all at once: perhaps you could have a fact of the day. If you would like more ideas, please speak to your child’s teacher.

* Buy one get three free - If your child knows one fact (e.g. 8 + 5 = 13), can they tell you the other three facts in the same fact family?
* Use number bonds to 10 - How can number bonds to 10 help you work out number bonds to 100?
* Play games – There are missing number questions at [www.conkermaths.com](http://www.conkermaths.com/) . See how many questions you can answer in just 90 seconds. There is also a number bond pair game to play.