

**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 – Spring 1**

**I know the multiplication and division facts for the 9 and 11 times tables**

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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| 9 × 1 = 9  9 × 2 = 18  9 × 3 = 27  9 × 4 = 36  9 × 5 = 45  9 × 6 = 54  9 × 7 = 63  9 × 8 = 72  9 × 9 = 81  9 × 10 = 90  9 × 11 = 99  9 × 12 = 108 | 9 ÷ 9 = 1  18 ÷ 9 = 2  27 ÷ 9 = 3  36 ÷ 9 = 4  45 ÷ 9 = 5  54 ÷ 9 = 6  63 ÷ 9 = 7  72 ÷ 9 = 8  81 ÷ 9 = 9  90 ÷ 9 = 10  99 ÷ 9 = 11  108 ÷ 9 = 12 | 11 × 1 = 11  11 × 2 = 22  11 × 3 = 33  11 × 4 = 44  11 × 5 = 55  11 × 6 = 66  11 × 7 = 77  11 × 8 = 88  11 × 9 = 99  11×10 = 110  11×11 = 121  11×12 = 132 | 11 ÷ 11 = 1  22 ÷ 11 = 2  **Key Vocabulary**  What is 8 **multiplied by** 6?  What is 6 **times** 8?  What is 24 **divided by** 6?  33 ÷ 11 = 3  44 ÷ 11 = 4  55 ÷ 11 = 5  66 ÷ 11 = 6  77 ÷ 11 = 7  88 ÷ 11 = 8  99 ÷ 11 = 9  110÷11 = 10  121÷11 = 11  132÷11 = 12 |

They should be able to answer these questions in any order, including missing number questions e.g. 9 × ⃝ = 54 or ⃝ ÷ 9 = 11.

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 family of the day. If you would like more ideas, please speak to your child’s teacher.

Look for patterns – These times tables are full of patterns for your child to find. How many can they spot?

Use your ten times table – Multiply a number by 10 and subtract the original number

(e.g. 7 × 10 – 7 = 70 – 7 = 63). What do you notice?

What happens if you add your original number instead?

(e.g. 7 × 10 + 7 = 70 + 7 = 77)

What do you already know? – Your child will already know many of these facts from the 2, 3, 4, 5, 6, 8 and 10 times tables. It might be worth practising these again!