St. Cuthbert's Catholic Primary School: Instant Recall Facts (IRFS) 2024-2025

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	Say number names in order to 5.	Know number bonds to 10.	Count in steps of 2 from a given number up to 100.	Know all addition and subtraction facts for multiples of 10 to 100.	Know multiplication and division facts for 7 x tables.	Consolidate multiplication and division facts for all times tables up to 12 x12.	Derive multiplication and division facts using multiples of 10 and decimal numbers e.g. 50 x 7 = 350; 8 x 0.7 = 5.6
Autumn 2	Say number names in order to 10.	Know number bonds to 20.	Count in steps of 5 (from a given multiple of 5) up to 100.	Know multiplication and division facts for 4 x table.	Know multiplication and division facts for the 12 x times table.	Recognise square and cube numbers within 100.	Recall equivalences between simple fractions, decimals and percentages. Methods of +-x / fractions
Spring 1	Know one more/one less than numbers to 5.	Know one more or one less of numbers up to 20.	Recall doubles of even numbers up to 20.	Know multiplication and division facts for 6 x tables.	Know multiplication and division facts for all times tables up to 12 x 12.	Multiply and divide whole numbers by 10, 100 and 1000.	Multiply and divide decimal numbers by 10, 100 and 1000.
Spring 2	Know one more/one less than number to 10.	Know one more or one less of numbers up to 50.	Recall halves of even numbers up to 20.	Know multiplication and division facts for 9 x tables.		Recall decimal and percentage equivalents of the fractions ½, ¼, ¾, tenths and fifths.	Identify common factors of a pair of numbers.
Summer 1	Know number bonds to 5.	Count in steps of 2 to 24 from zero.	Recall 2s and 5s multiplication and division facts.	Know multiplication and division facts for 8 x tables.	Find 10, 100 and 1000 more or less than a given number.	Convert between different units of metric measure (e.g. km/m; cm/m; cm and mm; g/kg; l/ml).	Know all previous number bonds including decimals that total 1 or 10 (two decimal places).
Summer 2	Begin to explore counting in 2, 5 and 10s.	Count in steps of 10 to 120 from zero.	Recall 10s and 3s multiplication and division facts.	Know number bonds to 100 (any given number).	Know decimal number bonds to 1; e.g. 0.3 + 0.7 = 1	Recall prime numbers up to 19.	Double or halve any number with up to 2-decimal places.

Tell the time to the hour and half past the hour.

Tell the time to quarter past/to the hour.

Tell the time to the nearest 5 minutes.

What are IRF?

Instant recall facts are a series of learning goals for maths which children will benefit from being able to remember quickly. Overlearning of instant recall facts allows for children to make progress due to the extended time teaching maths. It will also benefit children who learn more slowly as they will have additional opportunities to catch up on important knowledge. This will also aid recall, confidence and familiarity and ensure children have the base set of skills when moving to a new year group.

When do we teach an IRF?

We are making time for instant recall facts every day to ensure children can make swift progress through them. 25 minutes per day of both written and oral recall methods will support children alongside their usual maths lessons.

KS1 – 10:45 – 11:10

KS2 – 9:05 – 9:30

How does this fit into the mastery approach?

When children have a good knowledge of their basic maths skills, they will more readily be able to apply them to reasoning and problem solving. When children have quick access to a bank of facts which incur little cost to working memory, they will have more capacity to think about more complex problems that draw on these facts.

We will be starting from Autumn 1 and progressing through each set of facts. It is more important that children know the basics and that all children have a solid understanding before moving on. This does not mean you can't move ahead if you feel like your class is confident.

It is worth all classes (except EYFS) working on/revisiting time.

Mixed classes

Children should work on their own Year groups IRFs where appropriate. In some instances, children may need additional practice at an earlier IRF before moving on. This could show how we are adapting our teaching for some of our less-able learners.

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Year group	Concrete resources Summer 1	Concrete resources Summer 2	Concrete resources Autumn 1	Concrete resources Autumn 2	Concrete resources Spring 1	Concrete resources Spring 2
3	8 x table Hundred square Number line Cubes Flashcards Blank place value grids	Know number bonds to 100 (any given number). Blank hundred square laminated Bar model Flashcards	Know all addition and subtraction facts for multiples of 10 to 100. Place value grid	Know multiplication and division facts for 4 x table. Hundred square Number line Cubes Flashcards Blank place value grids	Know multiplication and division facts for 6 x tables. Hundred square Number line Cubes Flashcards Blank place value grids	Know multiplication and division facts for 9 x tables. 200 square Number line Cubes Flashcards Blank place value grids
4	10, 100, 1000 more or less Blank place value grid Cubes	Know decimal number bonds to 1; e.g. 0.3 + 0.7 = 1 Hundred square – 0.1 and 0.01 display Bar model - laminated	Know multiplication and division facts for 7 x tables. Hundred square Number line Cubes Flashcards Blank place value grids	Know multiplication and division facts for the 12 x times table. 200 square Number line Cubes Flashcards Blank place value grids	Know multiplication and division facts for all times tables up to 12 x 12. 200 square Number line Cubes Flashcards Blank place value grids	Know multiplication and division facts for all times tables up to 12 x 12. 200 square Number line Cubes Flashcards Blank place value grids
5	Convert between different units of metric measure (e.g. km/m; cm/m; cm and mm; g/kg; l/ml). Place value grids	Recall prime numbers up to 19. Hundred square Arrays	Consolidate multiplication and division facts for all times tables up to 12 x12. 200 square	Recognise square and cube numbers within 100. Cubes Arrays	Multiply and divide whole numbers by 10, 100 and 1000. Place value grids Cubes	Recall decimal and percentage equivalents of the fractions ½, ¼, ¾, tenths and fifths. Hundred square Flashcards

	Cubes Picture reference cards		Number line Cubes Flashcards Blank place value grids			
6	Know all previous number bonds including decimals that total 1 or 10 (two decimal places). Place value grids including tenths and hundredths Bar model laminated	Double or halve any number with up to 2-decimal places. Place value grid Bar models	Derive multiplication and division facts using multiples of 10 and decimal numbers e.g. 50 x 7 = 350; 8 x 0.7 = 5.6 Place value grid	Recall equivalences between simple fractions, decimals and percentages. Methods of +-x / fractions Completed bar models	Multiply and divide decimal numbers by 10, 100 and 1000. Place value grids Cubes	Identify common factors of a pair of numbers. Hundred square Blank Venn diagrams