

Key Instant Recall Facts (KIRFs)

This year your child has been working towards achieving their individual KIRF targets shown below. The ultimate aim is for your child to be able to recall these facts **instantly**. It will help them greatly if you can find a few minutes regularly throughout the holidays to continue practicing. Every little bit really does help.

Know all the number bonds for each number to 20	Know the multiplication and division facts for the 5x and 10x tables	Know the multiplication and division facts for the 2x and 4x tables	Know doubles and halves of: all whole numbers to 20, all multiples of 10 to 500, all multiples of 100 to 5000	Know addition and subtraction facts for: multiples of 100 to 1000, multiples of 5 with a total of 100, number pairs that total 100	Know all multiplication and division facts for 3x, 6x and 9x tables
---	--	---	---	--	---

MAKING IT FUN!

• **CALL OUT**

Play number ping pong - start off saying 'ping', child replies with 'pong'. Repeat and then convert to numbers.

- ✓ i.e. say '2' and they reply with '8' (pairs of numbers that total 10)
- ✓ or say '12' and they reply with '24' (doubles of numbers up to 20).

Fizz Buzz

To practice the 2x and 10 x table together - take it in turns to count in ones. If the number is in the 2x table say 'Fizz' instead of the number. Say 'Buzz' if it is in 10s and 'Fizz Buzz' if it is in both.

• **PLAYING CARDS**

Number bonds

Take out the picture cards from a deck of cards and include the jokers as zero.

- ✓ Play 'snap' by matching the number bonds
- ✓ Play the memory game to find matching number bonds

Multiplication and division

Take out the picture cards. Pick a card and state the multiplication and division fact your child is working on, e.g. pick the 8 card, so $5 \times 8 = 40$ and 40 divided by $8 = 5$.

Number bonds

Take out the picture cards. Pick two cards and use one to represent the tens and one to represent the units. e.g. pick a 3 and a 6 and use to make the number 36. Ask the child to find another pair to make a multiple of 10, such as 100, 90, 80, 70 etc.

• **DOMINOES**

Number bonds

Connect two dominoes to make a number bond, e.g. $6 + 4 = 10$

Multiplication and division

Pick a domino and add the number of dots together then multiply by the table they are working on.

Doubling or halving



Pick a domino, e.g. The number could be 32, 320 or 3200. Use any of these numbers to double or halve.

Number Bonds

Pick a domino from a set facing downwards. Choose one end to represent the tens and one to represent the units. Ask how much more is needed to make 60, 70, 80 etc.

- **DICE**

Roll two dice, add them together to find the total. Child multiplies the total by 2, 4 or 10. Do they know the associated division fact?

- **CHALLENGE**

Start with any single digit number. Keep doubling. How far can you get? Can you get back to the beginning again?

- **TIMED GAMES**

How well are you doing? How many questions can you answer in 2 minutes? Can you beat your own record?