

YEAR 2 SPRING 1

KIRF – I know the number bonds to 20

Number bonds show us how numbers join together. They are very important for addition and subtraction. This half term, the children will be revisiting number bonds that make 20; they should be able to recall these independently.

Questions to ask at home

What is 17 add 3?

What is 13 add 7?

What do I need to add to 6 to make 20?

If I know 8 and 2 make 10 then I know...18 and 2 make 20/ 8 and 12 make 20

Continue to recap your bonds to 10 to help you with your bonds to 20.

What patterns can you spot?

$$0 + 10 = 10$$

$$1 + 9 = 10$$

$$2 + 8 = 10$$

$$3 + 7 = 10$$

$$4 + 6 = 10$$

$$5 + 5 = 10$$

$$10 + 0 = 10$$

$$9 + 1 = 10$$

$$8 + 2 = 10$$

$$7 + 3 = 10$$

$$6 + 4 = 10$$

$$5 + 5 = 10$$

$$0 + 20 = 20$$

$$1 + 19 = 20$$

$$2 + 18 = 20$$

$$3 + 17 = 20$$

$$4 + 16 = 20$$

$$5 + 15 = 20$$

$$6 + 14 = 20$$

$$7 + 13 = 20$$

$$8 + 12 = 20$$

$$9 + 11 = 20$$

$$10 + 10 = 20$$

$$11 + 9 = 20$$

$$12 + 8 = 20$$

$$13 + 7 = 20$$

$$14 + 6 = 20$$

$$15 + 5 = 20$$

$$16 + 4 = 20$$

$$17 + 3 = 20$$

$$18 + 2 = 20$$

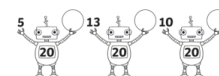
$$19 + 1 = 20$$

What it might look like:

Concrete: with objects, arranging them into number bonds



Pictorial:



Abstract:



Key Vocabulary

12 **add** 8 **equals** 20

15 **plus** 5 is **the same as** 20

Things to try at home:

Chants - Practise chanting the number bonds

Say it, make it, write it- for each number bond, say it out loud, make it by using everyday objects and then write it as a calculation.

Speed challenge: set a timer and see how long it takes you to recite all the bonds to 20. Then each time you try, see if you can be a little quicker!

[Hit the Button](https://www.topmarks.co.uk/) - Quick fire maths practise for 6-11 year olds ([topmarks.co.uk](https://www.topmarks.co.uk/))



Numbots- practise as much as you can- 5 minutes a daily is enough [NumBots](https://www.numbots.co.uk/) | [Motivational maths practice for schools and families](https://www.motivationalmaths.co.uk/).

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 do not need to practise them all at once; perhaps you could have a fact of the day.