



Supporting Your Child with Maths

Year 2

Booklet 2: February

These booklets have been designed to help you support your child as they build and develop their skills on a **strong foundation** of key mathematical concepts.

The maths curriculum covers a wide range of concepts but is built on **confidence and fluency of key facts**. When a child is fluent with these facts and skills their confidence grows and they are more able to **apply** them to a range of problems.

The booklets include specific guidance for your child's year group on skills and methods used as well as ideas for games to play and ways to practise key ideas.

Wherever we can, we want to make this practice **fun** and **practical**.

Lots of opportunities to **talk** about the maths and to show that we, as adults, **enjoy** it too.

Did you know?

- Parents' maths knowledge has **no** impact on how successful their children will be
- Parents' attitude towards maths has a **pro-found** impact on their children's success

Did you know?

Mathematical understanding has a bigger impact on success in adulthood than reading and writing

If you have any questions or would like to know more, please contact your child's teacher or Mrs Gibbons, the maths leader.



Learn-Its

Year 2 – Phase 2 (Nov-Feb)

I know number bonds to 20.

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

$0 + 20 = 20$

$1 + 19 = 20$

$2 + 18 = 20$

$3 + 17 = 20$

$4 + 16 = 20$

$5 + 15 = 20$

$6 + 14 = 20$

$7 + 13 = 20$

$8 + 12 = 20$

$9 + 11 = 20$

$10 + 10 = 20$

$20 + 0 = 20$

$19 + 1 = 20$

$18 + 2 = 20$

$17 + 3 = 20$

$16 + 4 = 20$

$15 + 5 = 20$

$14 + 6 = 20$

$13 + 7 = 20$

$12 + 8 = 20$

$11 + 9 = 20$

Key Vocabulary

What do I **add** to 5 to make 20?

What is 20 **take away** 6?

What is 3 **less than** 20?

How many more than 16 is 20?

$19 + \bigcirc = 20$

$20 - \bigcirc = 8.$

$20 - 0 = 20$

$20 - 1 = 19$

$20 - 2 = 18$

$20 - 3 = 17$

$20 - 4 = 16$

$20 - 5 = 15$

$20 - 6 = 14$

$20 - 7 = 13$

$20 - 8 = 12$

$20 - 9 = 11$

$20 - 10 = 10$

$20 - 20 = 0$

$20 - 19 = 1$

$20 - 18 = 2$

$20 - 17 = 3$

$20 - 16 = 4$

$20 - 15 = 5$

$20 - 14 = 6$

$20 - 13 = 7$

$20 - 12 = 8$

$20 - 11 = 9$

Use What You Already Know!
Number Bonds to 10

The key is to use what you already know –

Use number bonds to 10 (e.g. $7 + 3 = 10$) to work out related number bonds to 20 (e.g. $17 + 3 = 20$).

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these Learn-Its 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.

Use practical resources – Make collections of 20 objects. Ask questions such as, "How many more conkers would I need to make 20?"

Play games – You can play number bond pairs online at www.conkermaths.com and then see how many questions you can answer in just one minute.



Practise It

Year 2 - Phase 2 (Nov-Feb)

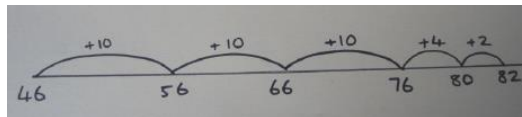
I can count in 10's forwards and backwards from any number

Children learn to count up and down in 10's from a variety of numbers including crossing the 100.

e.g. 23, 33, 43, 53, 63 or 88, 98, 108, 118

e.g. 76, 66, 56, 46, 36 or 121, 111, 101, 91

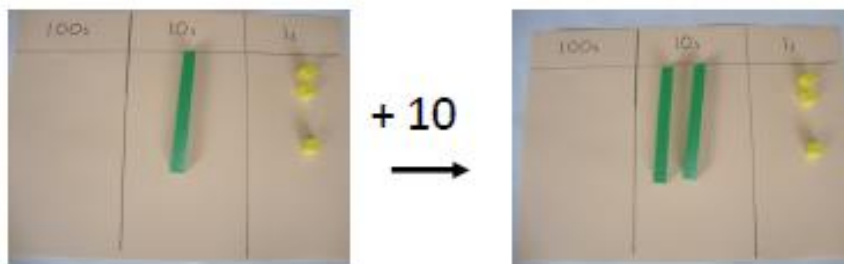
This is a very useful skill when they are calculating using numberlines.



If children find it difficult, it may be useful to make it more visual. You can use dienes, cubes or small Lego blocks to show that when you add 10, the units column doesn't change.

What has changed? Stayed the same?

13, 23, 33



Top Tips

- If its tricky – make it visual or practical
- Avoid counting in ones unless checking answers
- Encourage children to hear the pattern as they say the numbers



Try It

Year 2 - Phase 2 (Nov-Feb)

Try these activities to practise the skills

23	→ 10 more →	33
77	→ 10 more →	<input type="text"/>

$$5 + 10 = \square$$
$$15 + 10 = \square$$
$$25 + 10 = \square$$

Sam is collecting cards.

He wants to collect **100** cards altogether.

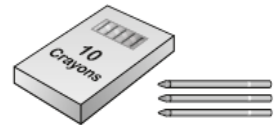
Last week he collected **50** cards.

This week he collects **30** cards.



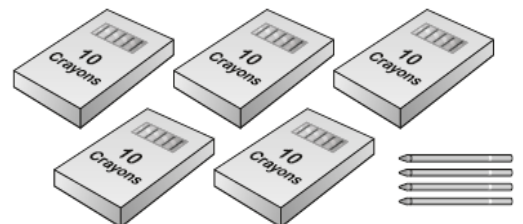
How many **more** cards does he need?

Ben has 13 crayons.



Here are Abdul's crayons.

How many crayons does Abdul have?



32		52	62		82	
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27		47		67	77	
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15		35	45		65	
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