Key Instant Recall Facts

This half term your children are working towards achieving their individual KIRF targets, indicated below.
The ultimate aim is for your child to be able to recall these facts instantly!

Know all the number bonds for ***each*** number to 20

Helpful hints for parents:

- ***Use objects to consider the bonds in a practical way.***
- ***Look at the patterns with both objects and numbers e.g. as one number increases the other one decreases.***
- ***Practise with the numbers in order and chosen randomly - remember the aim is for the child to be able to respond immediately.***

Key vocabulary
add *total* *altogether*
how many more to make?

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

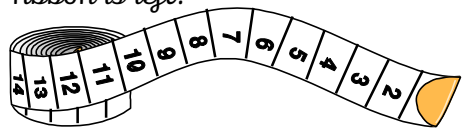
What's hidden?
I have 16 beans on a plate. I hide some under a beaker. There are 5 beans left on this plate - how many have I hidden?

Some number bonds to 20:

2 + 10 = 12
13 + 6 = 19
12 + 8 = 20
3 + 17 = 20
4 + 11 = 15
5 + 9 = 14
16 + 2 = 18

Make it real !

I have 18 cm of ribbon then I cut off 14 cm. How much ribbon is left?



4 centimetres.
Are you sure?
Yes, because I know that 4 and 14 make 18 altogether.

Year 3 Autumn Term 2

Key Instant Recall Facts

This half term your children are working towards achieving their individual KIRF targets, indicated below.
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Know multiplication and division facts for 2x and 4x and 8x table

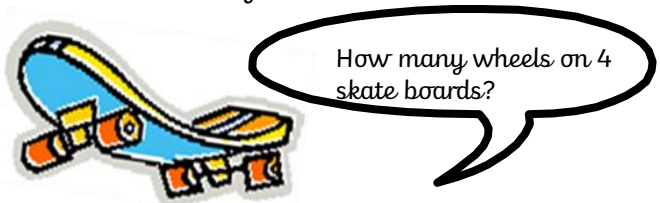
Helpful hints for parents

- *Practise with the numbers in order **and** chosen randomly - the aim is for your child to be able to respond immediately.*
- *Chanting tables really does help. Make it fun by adding actions too, or singing!*
- *Don't forget to chant those division facts too, they are often much harder to recall.*
- *Look at the patterns with both objects and numbers e.g. as one number increases the other one decreases.*

Key vocabulary *add total how many more to make? altogether times multiplied by lots of groups of multiple of divided by shared double half*

Six children have 4p each. How much will they have altogether?

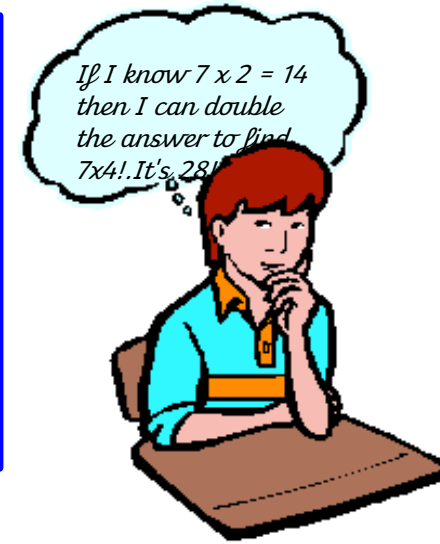
Dice:
Roll two dice; find the total. Your child multiplies the total by 2, 4 or 8. Can they also say the associated division fact?



2 x 4 = 8
3 x 4 = 12
4 x 4 = 16
5 x 4 = 20

So...

8 ÷ 4 = 2
12 ÷ 4 = 3
16 ÷ 4 = 4
20 ÷ 4 = 5



Encourage children to use doubling to work out their 4x table if they already know their 2x table. To work out 4x table facts, double and double again!

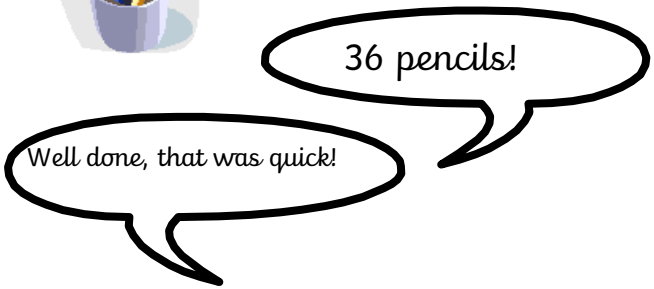
Key Instant Recall Facts

Year 3 Spring Term 1

This half term your children are working towards achieving their individual KIRF targets, indicated below.
The ultimate aim is for your child to be able to recall these facts instantly!

Know doubles and halves of all whole numbers to 20

If there are 18 pencils in a pack, how many pencils will there be in 2 packs?

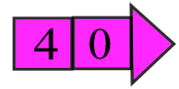


Doubles & Halves:

12 doubled is 24
12 halved is 6

9 doubled is 18
9 halved is 4 $\frac{1}{2}$

17 doubled is 34
17 halved is 8 $\frac{1}{2}$



1/2 of 40 = 20

1/2 of 5 = $2\frac{1}{2}$

Building confidence in mathematics is crucial so be pleased with their efforts and always encourage with praise. Make sure these practice sessions are enjoyable - if your child is really not in the mood it is the wrong time to be practising!

Key Instant Recall Facts

Year 3 Spring Term 2

This half term your children are working towards achieving their individual KIRF targets, indicated below.
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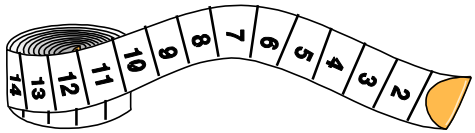
Know all number bonds for 100 using multiples of 5

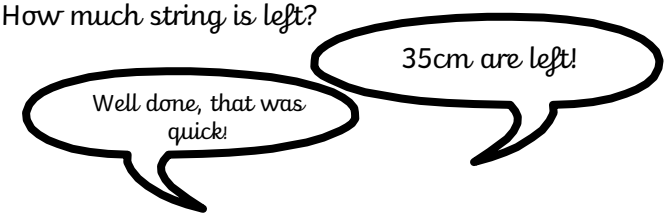
Example of number bonds for 100:



Jack has £1, he spends 30p. How much change does he get?

70p
Are you sure?
Yes, the sum of 70p and 30p is 100p - that's £1

I have a metre of string. I use 65cm to wrap my parcel.
How much string is left?



Example Bonds

5 + 95 = 100
25 + 75 = 100
65 + 35 = 100
85 + 15 = 100

Building confidence in mathematics is crucial so be pleased with their efforts and always encourage with praise. Make sure these practice sessions are enjoyable - if your child is really not in the mood it is the wrong time to be practising!

Key Instant Recall Facts

Year 3 Summer Term 1

This half term your children are working towards achieving their individual KIRF targets, indicated below. The ultimate aim is for your child to be able to recall these facts instantly!

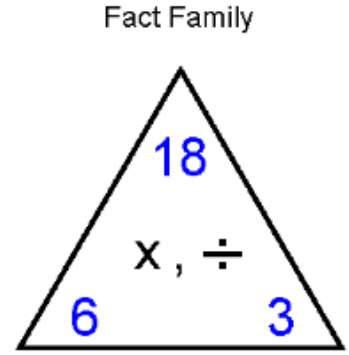
Know all multiplication and division facts for the 3,6 and 9 times tables.

3x Table Facts

1x3=3	3÷1=3	3÷3=1
2x3=6	6÷2=3	6÷3=2
3x3=9	9÷3=3	
4x3=12	12÷4=3	12÷3=4
5x3=15	15÷5=3	15÷3=5
6x3=18	18÷6=3	18÷3=6
7x3=21	21÷7=3	21÷3=7
8x3=24	24÷8=3	24÷3=8
9x3=27	27÷9=3	27÷3=9
10x3=30	30÷10=3	30÷3=10

These tables are all linked. If you know the 3x table, you can use it to help you with the 6 and 9. E.g. For the 6x table just double the 3x table (3x3=9 so 3x6=18) or triple for the 9x table (3x5=15 so 9x5=45)

Fact Families, set out in triangles, are a useful way to learn the x and ÷ facts for a family of numbers...



Building confidence in mathematics is crucial so be pleased with their efforts and always encourage with praise. Make sure these practice sessions are enjoyable - if your child is really not in the mood it is the wrong time to be practising!

Key Instant Recall Facts

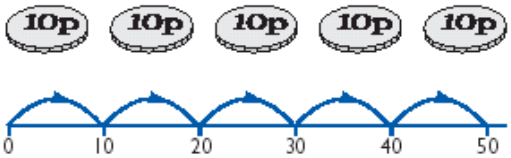
Year 3 Summer Term 2

This half term your children are working towards achieving their individual KIRF targets, indicated below. The ultimate aim is for your child to be able to recall these facts instantly!

Know all multiplication and division facts for the 2,5 and 10 times tables.

After all your work in Years R,1 and 2 you should be quite INSTANT with these facts now. To KNOW them, try testing yourself with real-life questions like these....

How many 10 pence pieces make 50 pence?



A vending machine is broken and only takes 5p coins. How many coins do you need to pay for a bar of chocolate that costs 45p?

9 coins!
How did you work that out?
Well, the product of 9 and 5 is 45.

If there are 10 shoes. How many dolls can have a pair of shoes?

5 dolls!
Can you tell me why?
Because double 5 is 10.

If there are 9 pencils in a pack, how many pencils will there be in 10 packs?

Building confidence in mathematics is crucial so be pleased with their efforts and always encourage with praise. Make sure these practice sessions are enjoyable - if your child is really not in the mood it is the wrong time to be practising!