

# 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 10 and 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?



Twenty teddies are sitting on a shelf. 15 fell off. How many are left?

Well done, that was quick!

Five are left!

## Make it fun!

Play number ping pong! (Use for number bonds to 10 or 20).

Start off saying 'ping', child replies with 'pong'.

Repeat and then convert to numbers i.e. say '2' and they reply '18' (number bonds to 20).

number bonds to 10:      number bonds to 20:

$0 + 10 = 10$

$1 + 9 = 10$

$2 + 8 = 10$

$3 + 7 = 10$

$4 + 6 = 10$

$5 + 5 = 10$

$6 + 4 = 10$

$7 + 3 = 10$

$8 + 2 = 10$

$9 + 1 = 10$

$10 + 0 = 10$

$0 + 20 = 20$

$1 + 19 = 20$

$2 + 18 = 20$

$3 + 17 = 20$

$4 + 16 = 20$

$5 + 15 = 20$

$6 + 14 = 20$

$7 + 13 = 20$

$8 + 12 = 20$

$9 + 11 = 20$

$10 + 10 = 20$



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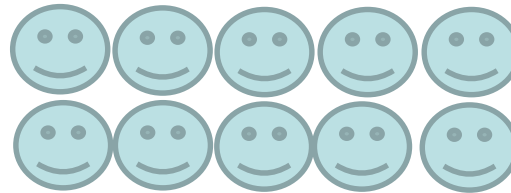
Know multiplication and division facts for 2x table.

## Helpful hints for parents:

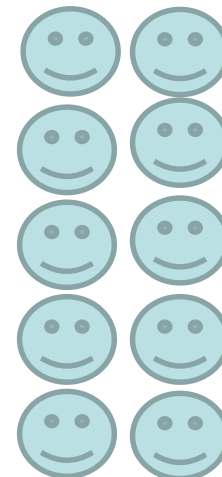
- *Create regular opportunities for rapid-fire questions where an instant correct answer is required.*
- *Encourage children to look for patterns, such as all the answers end in 5 or 0 for the 5x table.*
- *Chanting tables really does help. Make it fun by adding actions too, or singing!*
- *Don't forget to chant those division facts too; they are often much harder to recall.*

If I have 5 pairs of socks how many socks will I have?

$$2 \times 5 = 10$$



AND



Arrays

$$5 \times 2 = 10$$

$$0 \times 2 = 0$$

$$1 \times 2 = 2$$

$$2 \times 2 = 4$$

$$3 \times 2 = 6$$

$$4 \times 2 = 8$$

$$2 \div 2 = 1$$

$$4 \div 2 = 2$$

$$6 \div 2 = 3$$

$$8 \div 2 = 4$$

Well done, that was quick!

10 socks!



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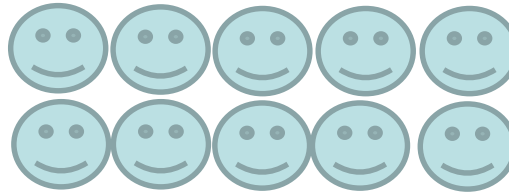
## Know multiplication and division for 10x table

### Helpful hints for parents:

- *Create regular opportunities for rapid-fire questions where an instant correct answer is required.*
- *Encourage children to look for patterns, such as all the answers end in 5 or 0 for the 5x table.*
- *Chanting tables really does help. Make it fun by adding actions too, or singing!*
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If I have 5 pairs of socks how many socks will I have?

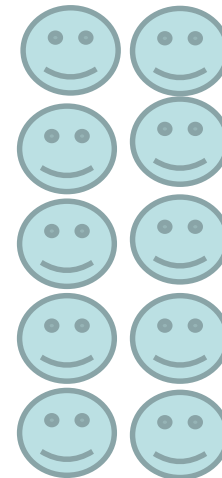
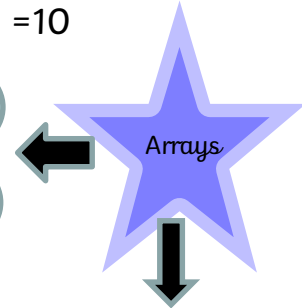
$$2 \times 5 = 10$$



AND

$$\begin{aligned} 0 \times 10 &= 0 \\ 1 \times 10 &= 10 \\ 2 \times 10 &= 20 \\ 3 \times 10 &= 30 \\ 4 \times 10 &= 40 \end{aligned}$$

$$\begin{aligned} 10 \div 10 &= 1 \\ 20 \div 10 &= 2 \\ 30 \div 10 &= 3 \\ 40 \div 10 &= 4 \end{aligned}$$



$$5 \times 2 = 10$$

Well done, that was quick!

10 socks!



# Key Instant Recall Facts

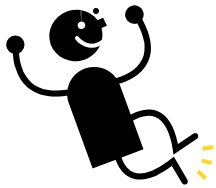
This half term your children are working towards achieving their individual KIRF targets, indicated below.  
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Know the halves of 1,3,5,7 and 9 as a fraction

Helpful hints for parents:

- Create regular opportunities for rapid-fire questions where an instant correct answer is required.
- Make it fun by using practical items at home - share cakes like the example below.

What does this even mean?!



## THE FACTS:

$$\begin{aligned} \text{Half of } 1 &= \frac{1}{2} \\ \text{Half of } 3 &= 1 \frac{1}{2} \\ \text{Half of } 5 &= 2 \frac{1}{2} \\ \text{Half of } 7 &= 3 \frac{1}{2} \\ \text{Half of } 9 &= 4 \frac{1}{2} \end{aligned}$$

Two people share 3 cakes equally...how much cake do they each get?



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!



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Know all addition and subtraction facts for multiples of 10  
to 100

Here are the multiples of 10 to 100 and some of the facts children need to learn:

## **MULTIPLES OF 10:**

•10,20,30,40,50,60,70,80,90 and 100

## **TYPES OF FACTS:**

$$10+50=60$$

$$80-30=50$$

$$40+70=110$$

$$90-20=70$$

**CHALLENGE:** How many facts are there altogether?

*This KIRF builds on the Y1 Summer KIRF. For example, knowing  $3+8=11$  allows pupils to then recognise the link that  $30+80=110$ .*



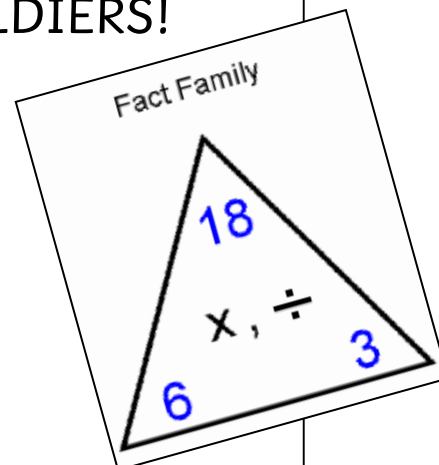
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Know multiplication and division facts for the 5x table.

## THE 5x TABLE FACTS – LEARN THEM, SOLDIERS!

$1 \times 5 = 5$ <i>so</i>	$5 \div 1 = 5$ <i>and</i>	$5 \div 5 = 1$
$2 \times 5 = 10$ <i>so</i>	$10 \div 2 = 5$ <i>and</i>	$10 \div 5 = 2$
$3 \times 5 = 15$ <i>so</i>	$15 \div 3 = 5$ <i>and</i>	$15 \div 5 = 3$
$4 \times 5 = 20$ <i>so</i>	$20 \div 4 = 5$ <i>and</i>	$20 \div 5 = 4$
$5 \times 5 = 25$ <i>so</i>	$25 \div 5 = 5$	
$6 \times 5 = 30$ <i>so</i>	$30 \div 6 = 5$ <i>and</i>	$30 \div 5 = 6$
$7 \times 5 = 35$ <i>so</i>	$35 \div 7 = 5$ <i>and</i>	$35 \div 5 = 7$
$8 \times 5 = 40$ <i>so</i>	$40 \div 8 = 5$ <i>and</i>	$40 \div 5 = 8$
$9 \times 5 = 45$ <i>so</i>	$45 \div 9 = 5$ <i>and</i>	$45 \div 5 = 9$
$10 \times 5 = 50$ <i>so</i>	$50 \div 10 = 5$ <i>and</i>	$50 \div 5 = 10$



'Fact Family' triangles are a useful way of showing the numbers that create the three facts.

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!

