# 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?*

## 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).

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

*Five are left!*

*Well done, that was quick!*

| number bonds to 10: | number bonds to 20: |
|---|---|
| 0 + 10 = 10 | 0 + 20 = 20 |
| 1 + 9 = 10 | 1 + 19 = 20 |
| 2 + 8 = 10 | 2 + 18 = 20 |
| 3 + 7 = 10 | 3 + 17 = 20 |
| 4 + 6 = 10 | 4 + 16 = 20 |
| 5 + 5 = 10 | 5 + 15 = 20 |
| 6 + 4 = 10 | 6 + 14 = 20 |
| 7 + 3 = 10 | 7 + 13 = 20 |
| 8 + 2 = 10 | 8 + 12 = 20 |
| 9 + 1 = 10 | 9 + 11 = 20 |
| 10 + 0 = 10 | 10 + 10 = 20 |

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!
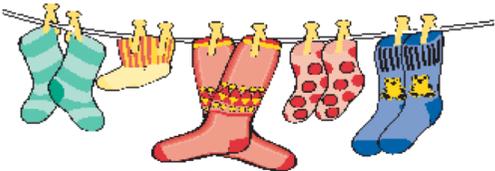
# Key Instant Recall Facts

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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.*

$2 \times 5 = 10$

Arrays

$0 \times 10 = 0$
$1 \times 10 = 10$
$2 \times 10 = 20$
$3 \times 10 = 30$
$4 \times 10 = 40$

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

AND

$5 \times 2 = 10$

$10 \div 10 = 1$
$20 \div 10 = 2$
$30 \div 10 = 3$
$40 \div 10 = 4$

Well done, that was quick!

10 socks!

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# Key Instant Recall Facts

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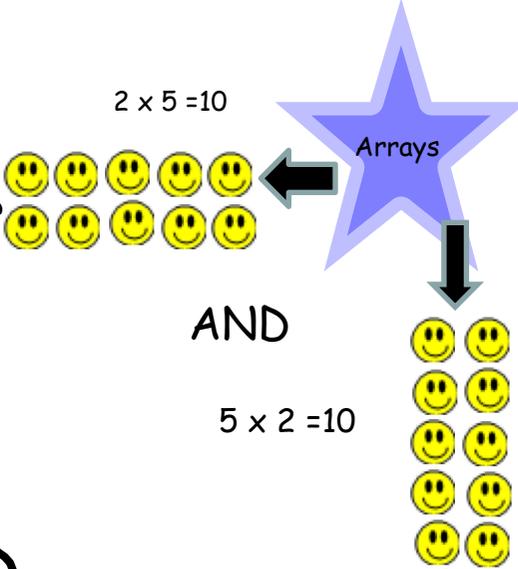## Know multiplication and division for 10x table

### 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.*
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# 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 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:

Half of 1 = $\frac{1}{2}$

Half of 3 = 1 $\frac{1}{2}$

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

Half of 7 = 3 $\frac{1}{2}$

Half of 9 = 4 $\frac{1}{2}$

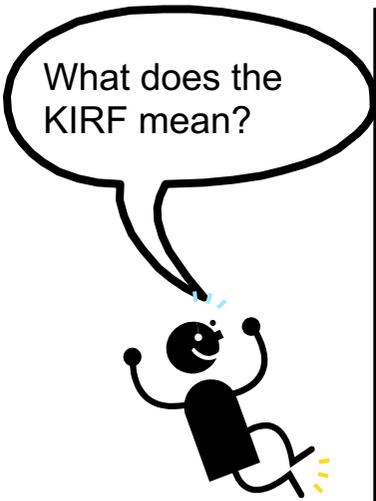Two people share 3 cakes equally…how much cake do they each get?

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# 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 addition and subtraction facts for multiples of 10 to 100**

What does the KIRF mean?

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

**MULTIPLES OF 10:**
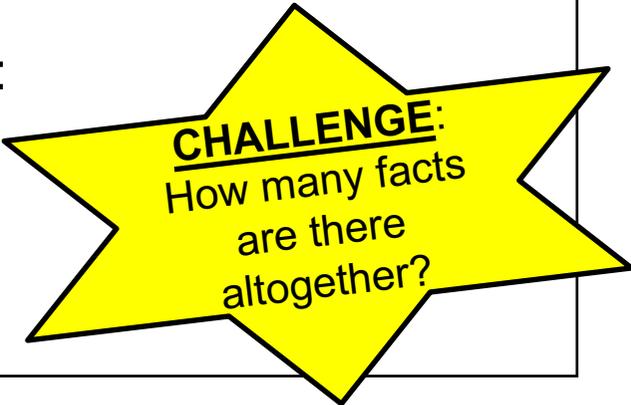- 10,20,30,40,50,60,70,80,90 and 100

**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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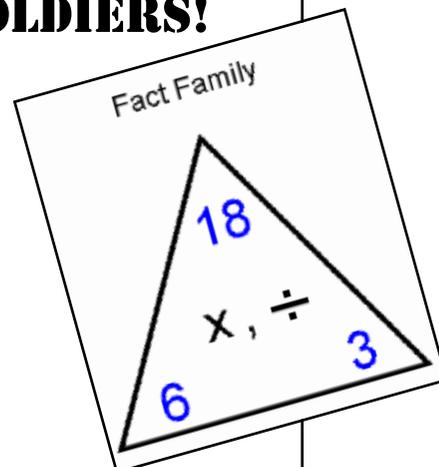
# Key Instant Recall Facts

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 multiplication and division facts for the 5x table.

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

| | | |
|---|---|---|
| 1x5=5 so | 5÷1=5 and | 5÷5=1 |
| 2x5=10 so | 10÷2=5 and | 10÷5=2 |
| 3x5=15 so | 15÷3=5 and | 15÷5=3 |
| 4x5=20 so | 20÷4=5 and | 20÷5=4 |
| 5x5=25 so | 25÷5=5 | |
| 6x5=30 so | 30÷6=5 and | 30÷5=6 |
| 7x5=35 so | 35÷7=5 and | 35÷5=7 |
| 8x5=40 so | 40÷8=5 and | 40÷5=8 |
| 9x5=45 so | 45÷9=5 and | 45÷5=9 |
| 10x5=50 so | 50÷10=5 and | 50÷5=10 |

Fact Family

18

x , ÷

3

6

'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!