Key Instant Recall Facts

Y5 - Autumn 1st

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 decimals that total 1 or 10 (1 decimal place)

All decimal bonds for 1:

0.1	+	0.9	=	1
0.2	+	0.8	=	1
0.3	+	0.7	=	1
0.4	+	0.6	=	1
0.5	+	0.5	=	1
0.6	+	0.4	=	1
0.7	+	0.3	=	1
0.8	+	0.2	=	1
0.9	+	0.1	=	1
1.0	+	0.0	=	1

Example of decimal bonds for 10:

6.2 + 3.8 = 10; 3,8 + 6.2 = 10

so

10 - 6.2 = 3.8; 10 - 3.8 = 6.2

4.9 + 5.1 = 10; 5.1 + 4.9 = 10

so

10 - 4.9 = 5.1; 10 - 5.1 = 4.9

Call out!

Play number ping pong! Start off saying 'ping', child replies with 'pong'. Repeat and then convert to numbers i.e. say '0.3' and they reply '0.7' (decimal bonds for 1)

Helpful hints for parents

- *Create regular, short opportunities for rapid-fire questions where an instant correct answer is required.*
- *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

How many more to make altogether make sum total how much more is…than… difference between

Key Instant Recall Facts

Y5 - Autumn 2nd

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!

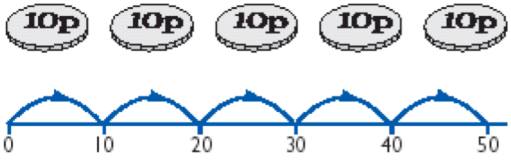
Consolidate multiplication and division facts for all times tables

Helpful hints for parents

- ***Create regular opportunities for rapid-fire questions where an instant correct answer is required.***
- ***Encourage children use what they already know, for example the 6x table is double the 3x 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.***

Key vocabulary *times multiplied by lots of groups of multiple of divided by shared product divisible by factor square number*

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?

A piece of ribbon measure 56cm in total. 8 cm are needed to make a bow. How many bows can we make?

There are lots of CDs available with musical tables. Great fun to sing along to on long car journeys!

Call out!

Play Fizz Buzz. To practise the 5 and 8 times tables together take it in turns to count in ones. If a number is in the 5 x table say 'Fizz' instead of the number. Say 'Buzz' if it's in the 8's and 'Fizz Buzz' if it's in both.

Pick a domino, add the number of dots together then multiply by the table they are working on. To extend to all times tables, pick two dominoes to multiply the total number of dots on each together.

Remove picture cards from a pack of cards. Pick a card and treat the number as tenths. State the multiplication and division fact that the child is working on.
e.g. Pick the '8' card
so 7 x 0.8 = 5.6 and 5.6 divided by 7 is 0.8

Key Instant Recall Facts

Y5 - Spring 1st

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 doubles and halves of all two-digit numbers

Helpful hints for parents

- *Create regular opportunities for rapid fire questions where an instant correct answer is required*
- *Encourage children to use what they already know, for example the 6x table is double the 3x table!*
- *When children are confident with doubles ask them to find the corresponding halves*
- *Practise halving at least as often as doubling. This will help children with subtraction at a later date*

Key vocabulary *multiply product times by lots of share group divide double near double twice 2 lots of 2 times half halved divided by 2 shared between 2 group in pairs*

Double

34 → 68

35 → 70

36 → 72

Halves

84 → 42

85 → 42 ½

or 42.5

86 → 43

What is 1/2 of 38?

1/2 of 30 = 15

1/2 of 8 = 4

So 1/2 of 38 must be 19!

Play number ping pong!
Start of saying 'ping', child replies with 'pong'.
Repeat and then convert to numbers i.e. say 3.9' and they reply '7.8' (double 2 digit decimal) Or say, '7.8' and they say '3.9'

Two tickets cost £67, how much would one ticket cost?

£33.50
How do you know?
I know because half of 60 is 30 and half of 7 is 3.5

The swimming pool is 3.7km away. How far will we travel there and back?

7.4km
Can you explain?
Well, double 3 is 6 and double 0.7 is 1.4 which makes 7.4 altogether

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

Key Instant Recall Facts

Y5 - Spring 2nd

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 prime numbers up to 100

Helpful hints for parents

- ***Create regular opportunities for rapid fire questions where an instant correct answer is required***

Vocabulary: Prime numbers are those numbers (greater than 1) that cannot be divided by any number except themselves and one.

1) Write out the numbers from 1 to 100 in ten rows of 10.

2) Cross off number 1, because all primes are greater than 1.
3) Number 2 is a prime, so we can keep it, but we need to cross off the multiples of 2 (i.e. even numbers).
4) Number 3 is also a prime, so again we keep it and cross off the multiples of 3.
5) The next number left is 5 (because four has been crossed off), so we keep it and cross of the multiples of this number.
6) The final number left in the first row is number 7, so cross off its multiples.
7) You have finished. All of the "surviving" numbers on your grid are prime numbers. NOW LEARN THEM. There are 25 altogether.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	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

Y5 - Summer 1st

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 pairs of factors of numbers up to 100

Factors are numbers that you can multiply together to get a greater number. These are best learnt as pairs and, if times table knowledge is strong by Year 5, should come easily!

Factors of 24

1 X 24

4 X 6 **24** 3 X 8

2 X 12

so there are 8 factors of 24.... 1,2,3,4,6,8,12,24

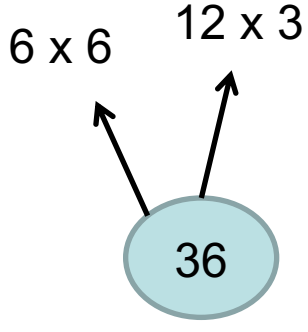
Play games to make this fun…

‘Find The Factors!’

“You have 1minute to find as many pairs of factors of 60 as possible!”

‘Missing Factors’

“Can you spot the missing factors for 48 in this list?”



Spider diagrams are a great way to set out your investigations…

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 Y5 - Summer 2nd

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

Know the decimal and percentage equivalents of the fractions ½, ¼, ¾, thirds, tenths and fifths

THE FACTS : LEARN THEM!

Remember that 'Percentage' means ***out of 100.***

Fraction	Decimal	Percentage
½	0.5	50%
¼	0.25	25%
¾	0.75	75%
1/3	0.33	33%
1/10	0.1	10%
1/5	0.2	20%

What else can you find out using these facts? E.g. Can you work out what two thirds would be? What about three fifths?

Can you use the facts to work out problems such as this now?

What is:

25% as a fraction **60% as a decimal**

IF YOU REALLY LEARN THOSE FACTS YOU COULD TACKLE QUESTIONS LIKE THIS:

There are 240 children in a primary school. They were asked which subjects they most enjoyed at school. (Most gave more than one subject.) Can you work out how many children liked each subject?

1/5 of them said Literacy
25% said Maths
50% said PE
0. 2 said Art
10% said Design and Technology
¾ said ICT
40% said History
0.25 said Geography
3/10 said Science
1/3 said RE

Building confidence in mathematics is crucial so be pleased with their efforts and always encourage with praise