

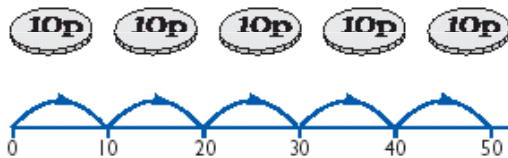
# Key Instant Recall Facts

Year 3, 4, 5 and 6:  
Autumn Term 2

This half term your child is working towards achieving knowledge of KIRFs, indicated below.  
The ultimate aim is for your child to be able to recall these facts **instantly!**

<b>Know multiplication and division facts for 5x and 10x tables</b>	<b>Know multiplication and division facts for the 7 and 8x tables</b>	<b>Consolidate multiplication and division facts for all times tables</b>	<b>Use all multiplication and division facts for the times tables up to 10x10, to derive x and ÷ of decimals numbers</b>	<b>Use place value and all multiplication and division facts for the times tables up to 10x10, to derive x and ÷ of small multiples of 10 and 100 (e.g. 30 x 900; 8100 ÷ 9)</b>
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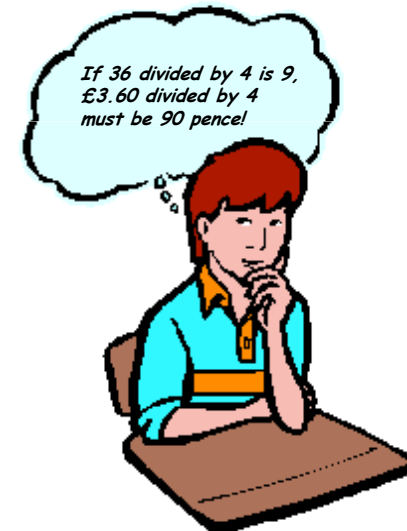
How many 10 pence pieces make 50 pence?



$$\begin{aligned}0 \times 7 &= 0 \\1 \times 7 &= 7 \\2 \times 7 &= 14 \\3 \times 7 &= 21 \\4 \times 7 &= 28\end{aligned}$$

So...

$$\begin{aligned}7 \div 7 &= 1 \\14 \div 7 &= 2 \\21 \div 7 &= 3 \\28 \div 7 &= 4\end{aligned}$$



## Helpful hints for parents

Year 3, 4, 5 and 6:  
Autumn Term 2

- *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

## Make it real!

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.

There are 7 smarties on each bun, if we make 6 buns how many smarties will we need?

42 smarties!  
Can you explain why?  
7 lots of 6 are 42.



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



7 bows!  
Can you prove it to me?  
Well there are seven, eights in 56.

*Encourage children to use doubling to work out their 8x table if they already know their 4x table. Equally if you know your 8x table, then the 0.8x table follows the same pattern!*

## Make it fun!

### Call out!

Play Fizz Buzz. To practice 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.

### What's hidden?

Use a multiplication square, hide some of the facts. Ask your child what is missing and why?

### Playing cards:

Remove picture cards from the pack. 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  $7 \times 0.8 = 5.6$  and  $5.6$  divided by 7 is 0.8



### Dominoes:

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.

### Songs and rhymes

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

### Timed Games:

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