Round Hill Primary School
Key Instant Recall Facts

Year 6

KIRF Autumn Term 2: Know how to check if a number is divisible by 4 or 12

Being able to easily spot if a number can be divided by 4 or 12, in addition to knowing if they can be divided by other numbers, can help your child spot prime numbers past those they have learnt. Knowing these rules will help them to know if a number is in the 4 or 12 x table even if it is past their knowledge of up to 12x!

A number is divisible by 4 if the last two digits form a number that is divisible by 4.

e.g. 40,832 is divisible by 4 because 32 is divisible by 4.

Another way to know if a number is divisible by 4, is:

- if the tens digit is even, the ones digit must be 0, 4 or 8
- if the tens digit is odd, the ones digit must be 2 or 6.

If either of these are the case, then the number is divisible by 4.

A number is divisible by 12 if it is divisible by both 3 and 4.

Allow your child to test these rules out with a range of different numbers. The more they try them, the easier they will find it to remember the rules.

Practice and challenge your child with lots of different numbers, particularly numbers larger than 100.