



# Goldsmith Golden Number Facts

## Year 5 Autumn 2 Half Term Homework 2019

Each half term, we set maths homework to reinforce number skills that help the children to become more successful in their learning. We ask that parents use the information below to support their child in practicing these 3x weekly; parents can also find further support on the school website.

**A key part of home practice is to work with your child to ensure they are secure in being able to recall their multiplication and division facts to 12 x 12. The curriculum in year 5 heavily focuses on children being confident in recalling their multiplication facts to support their learning. It is of paramount importance for children to practice these regularly.**

Additionally by the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**...

A prime number is a number with no factors other than itself and one.

The following numbers are prime numbers:

2, 3, 5, 7, 11, 13, 17, 19

A composite number is divisible by a number other than 1 or itself.

The following numbers are composite numbers:

4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20.

### Key Vocabulary

prime number  
composite  
number  
factor  
multiple

Children should be able to explain how they know that a number is composite.

E.g. 15 is composite because it is a multiple of 3 and 5.

### Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these golden facts while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

It's really important that your child uses mathematical vocabulary accurately. Choose a number between 2 and 20. How many correct statements can your child make about this number using the vocabulary above?

Make a set of cards for the numbers from 2 to 20. How quickly can your child sort these into prime and composite numbers? How many even prime numbers can they find? How many odd composite numbers?

#### Keep on top of:

**Online games** – Timestables Rockstarz is a great way to motivate, challenge and help children learn key facts in a fun way! Children have their log ins and passwords from school!

<https://trockstars.com/>

**To further extend:** Can you child count forwards or backwards in steps of powers of 10 for any given number up to 100, 000? Round any number up to 100 000 to the nearest 10, 100, 1000 and 10 000? Practice is key!