



# Goldsmith Golden Number Facts

## Year 6 Autumn 1 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 read, write, order and compare numbers up to 10 000 000 and determine the value of each digit. Round any whole number to a required degree of accuracy.**

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

Please see separate sheet for all times table facts.  
This is a chance for Year 6 children to consolidate their knowledge of multiplication and division facts and to increase their speed of recall.

### Key Questions

Examples:

What is 12 **multiplied by** 6?

What is 7 **times** 8?

What is 84 **divided by** 7?

They should be able to answer these questions in any order, including missing number questions e.g.  $7 \times \bullet = 28$  or  $\bullet \div 6 = 7$ .

Children who have already mastered their times tables should apply this knowledge to answer questions including decimals e.g.  $0.7 \times \bullet = 4.2$  or  $\bullet \div 60 = 0.7$

### 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.

**Speed Challenge** – Take two packs of playing cards and remove the kings. Turn over two cards and ask your child to multiply the numbers together (Ace = 1, Jack = 11, Queen = 12). How many questions can they answer correctly in 2 minutes? Practise regularly and see if they can beat their high score.

**Online games** – children have been given their login and passwords to timestables rockstarz: <https://trockstars.com/>, a brilliant and challenging ways for children to learn or speed up their recall of key facts!

**Extend:** Can your child use their x tables to multiply and divide decimals? **E.g. What is 1.2 x 6?**

**To further extend:** Is your child able to multiply and divide numbers up to 4 digits by a 2-digit whole number using the formal written methods and interpret remainders as whole number remainders, fractions, or by rounding?