



Goldsmith Golden Number Facts

Year 6 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. It is crucial that children are confident in recalling these facts as it forms the basis of their understanding of new learning. In year 6 children will need to recall these facts in order to reason and problem solve word problems. Practising these facts regularly is of paramount importance.

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

Convert between decimals, fractions and percentages		
1/2	0.5	50%
1/4	0.25	25%
3/4	0.75	75%
1/5	0.2	20%
1/10	0.1	10%
2/5	0.4	40%
1/100	0.01	1%
9/100	0.09	9%
21/100	0.21	21%
1/20	0.05	5%

Key Questions
How many tenths is 0.8?
How many hundredths is 0.12?
Write 0.75 as a fraction .
Write 1/4 as a decimal .

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.

Make some cards with pairs of equivalent fractions and decimals. Use these to play the memory game or snap. Or make your own dominoes with fractions on one side and decimals on the other.

Keep on top of...

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 recall common factor of a pair of numbers?
 E.g. the common factors of 24 and 56 are 1, 2, 4 and 8. The greatest common factor of 24 and 56 is 8. <https://fun4thebrain.com/beyondfacts/gcfsketch.html> is game where children find the greatest common factor.

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?