



Goldsmith Golden Number Facts

Year 3 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 recalling the multiplication and division facts for the three times tables. Children will be focusing on multiplication heavily from this term onwards, and their knowledge of their tables will form the basis for their learning in year 3.

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

2 + 9 = 11	5 + 9 = 14	<u>Example of a</u>	<u>Examples of</u>
3 + 8 = 11	6 + 8 = 14	<u>fact family</u>	<u>other facts</u>
4 + 7 = 11	7 + 7 = 14		
5 + 6 = 11	6 + 9 = 15	6 + 9 = 15	4 + 5 = 9
3 + 9 = 12	7 + 8 = 15	9 + 6 = 15	13 + 5 = 18
4 + 8 = 12	7 + 9 = 16	15 - 9 = 6	19 - 7 = 12
5 + 7 = 12	8 + 8 = 16	15 - 9 = 6	10 - 6 = 4
6 + 6 = 12	8 + 9 = 17		
4 + 9 = 13	9 + 9 = 18		
5 + 8 = 13			
6 + 7 = 13			

Key Questions

What do I **add** to 5 to make 19?

What is 17 **take away** 6?

What is 13 **less than** 15?

How many more than 8 is 11?

What is the **difference** between 9 and 13?

This list includes the most challenging facts but children will need to learn **all** number bonds for each number to 20 (e.g. 15 + 2 = 17). This includes related subtraction facts (e.g. 17 - 2 = 15).

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.

Buy one get three free-If your child knows one fact (e.g. 8 + 5 = 13), can they tell you the other three facts in the same fact family?

Use doubles and near doubles-If you know that 6 + 6 = 12, how can you work out 6 + 7? What about 5 + 7?

Play games-There are missing number questions at www.conkermaths.com . See how many questions you can answer in just one minute.

Keep going with: Log in to <https://trockstars.com/>. This is a brilliant website, packed with fun games and challenges for your child to get to grips with key multiplication facts!

To further extend: Can your child count from 0 in multiples of 3, 4, 8, 50 and 100? Encourage them to find 10 or 100 more or less than a given number.