



Goldsmith Golden Number Facts

Year 2 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 and write numbers to at least 100 in numerals and in words.

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

0 + 20 = 20	20 + 0 = 20	20 - 0 = 20	20 - 19 = 1
1 + 19 = 20	19 + 1 = 20	20 - 1 = 19	20 - 18 = 2
2 + 18 = 20	18 + 2 = 20	20 - 2 = 18	20 - 17 = 3
3 + 17 = 20	17 + 3 = 20	20 - 3 = 17	20 - 16 = 4
4 + 16 = 20	16 + 4 = 20	20 - 4 = 16	20 - 15 = 5
5 + 15 = 20	15 + 5 = 20	20 - 5 = 15	20 - 14 = 6
6 + 14 = 20	14 + 6 = 20	20 - 6 = 14	20 - 13 = 7
7 + 13 = 20	13 + 7 = 20	20 - 7 = 13	20 - 12 = 8
8 + 12 = 20	12 + 8 = 20	20 - 8 = 12	20 - 11 = 9
9 + 11 = 20	11 + 9 = 20	20 - 9 = 11	
10 + 10 = 20		20 - 10 = 10	

Key Questions

1) What do I **add** to 5 to make 20?
 What is 20 **take away** 6?
 What is 3 **less than** 20?
How many more than 16 is 20?

They should be able to answer these questions in any order, including missing number questions.

e.g. $19 + \bigcirc = 20$ or $20 - \bigcirc = 8$.

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.

Use what you already know – Use number bonds to 10 (e.g. $7 + 3 = 10$) to work out related number bonds to 20 (e.g. $17 + 3 = 20$).

Use practical resources – Make collections of 20 objects. Ask questions such as, "How many more conkers would I need to make 20?"

Make a poster – We use Numicon at school. You can find pictures of the Numicon shapes here: bit.ly/NumiconPictures – your child could make a poster showing the different ways of making 20.

Play games – You can play number bond pairs online at www.conkermaths.org and then see how many questions you can answer in just one minute.

To extend: <https://www.topmarks.co.uk/maths-games/> for a variety of games!

To learn multiplication facts, your child has been given a log in and password to <https://trockstars.com/>

Further extend: Can your child recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100?