

**Maths Investigations – Week 5**  
**Multiplication**

*These investigations are to help you develop your problem-solving skills and your reasoning skills, you can do as many as you like. Please make sure you show your workings out, use jottings and anything else you might need to*

**Investigation 1: Miss Bartley and her biscuits!**

Miss Bartley loves biscuits but she has got herself into a muddle! Can you help Miss Bartley sort out her problem below to show which has got the most biscuits? Use your methods to show your working out and to explain your answer (repeated addition and arrays)

Which has the most biscuits:  
4 packets of biscuits with 5 in each packet, or  
3 packets of biscuits with 10 in each packet?

**Investigation 2: Using our multiplication facts**

This week you've worked on learning your 2, 5 and 10 times tables, using these facts can you find 3 different ways to answer the question below – you'll have to use techniques such as partitioning and arrays to help you!

Find different ways to find the answer to  $12 \times 4$ .

