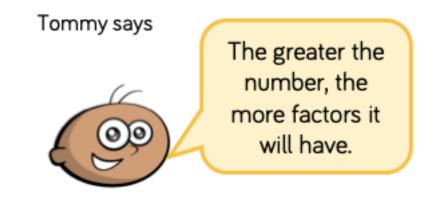
## <u>Maths Investigations – Week 1</u> <u>Multiplication and Division</u>

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 : Using Factor Pairs**

Using arrays and any other method you like can you prove if Tommy is correct or incorrect.



Is Tommy correct?

Use arrays to explain your answer.

Investigation 2: Multiply by 1 and 0

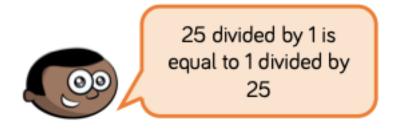
Which answer could be the odd one out? What makes it the odd one out?

$$3 + 0 = \_\_\_$$
  
 $3 - 0 = \_\_\_$   
 $3 \times 0 = \_\_\_$ 

Explain why the answer is different.

## Investigation 3: Divide by 1

Mo says,



Do you agree?

Explain your answer.