

## **KS2 Home Learning Week 24: Calculation Inquiry.**

### **The product of three integers that sum to 12 cannot be odd.**

#### **Glossary:**

**Product** – the answer when numbers are multiplied

**Integers** – whole numbers

**Sum** – the answers when numbers are added

**Odd** – Cannot be divided into 2 equal groups of integers, e.g. 1, 3, 5, 7, 9, 11 etc

#### **Task:**

Investigate the statement at the top of the page.

Possible steps to being successful;

- Find an example which is true
- Find an example which is not true (a counter-example)
- Find more examples to prove that it is true or not true
- Decide whether this is sometimes, always or never true
- Find a reason or a pattern which will help you to convince your class and your teacher

## **KS2 Home Learning Week 24: Calculation Inquiry.**

### **The product of three integers that sum to 12 cannot be odd.**

#### **Glossary:**

**Product** – the answer when numbers are multiplied

**Integers** – whole numbers

**Sum** – the answers when numbers are added

**Odd** – Cannot be divided into 2 equal groups of integers, e.g. 1, 3, 5, 7, 9, 11 etc

#### **Task:**

Investigate the statement at the top of the page.

Possible steps to being successful;

- Find an example which is true
- Find an example which is not true (a counter-example)
- Find more examples to prove that it is true or not true
- Decide whether this is sometimes, always or never true
- Find a reason or a pattern which will help you to convince your class and your teacher