

Mathematics

# Common Multiples

## Downloadable Resource

Mr Maseko



# Try this

**Generate** examples of numbers for each statement:

A multiple of 11

A factor of 100 and a multiple of 5

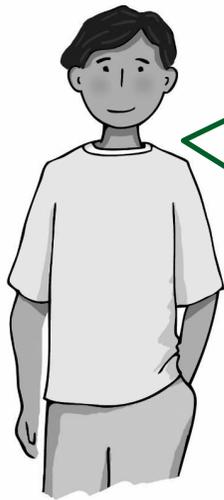
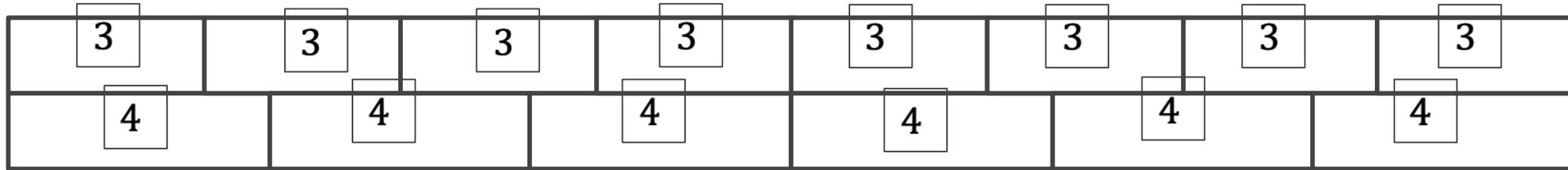
A multiple of both 4 and 3

A multiple of a square number



# Connect

## Common Multiples



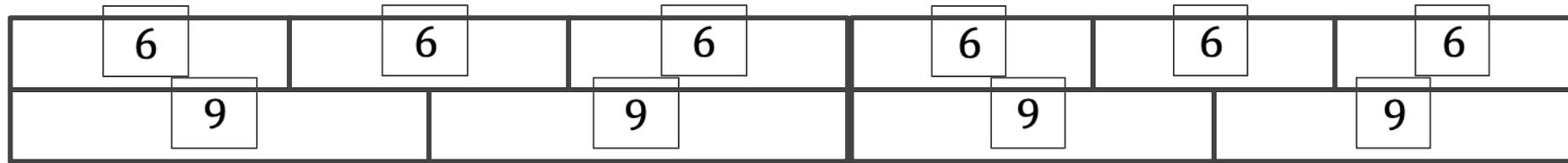
36 is a common multiple of 9 and 6.

Use the bar model to show that Antoni is correct.

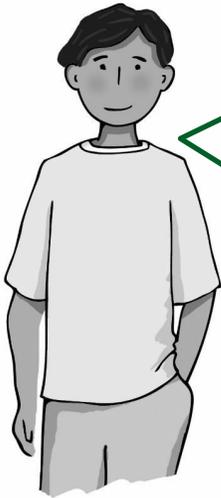


# Connect

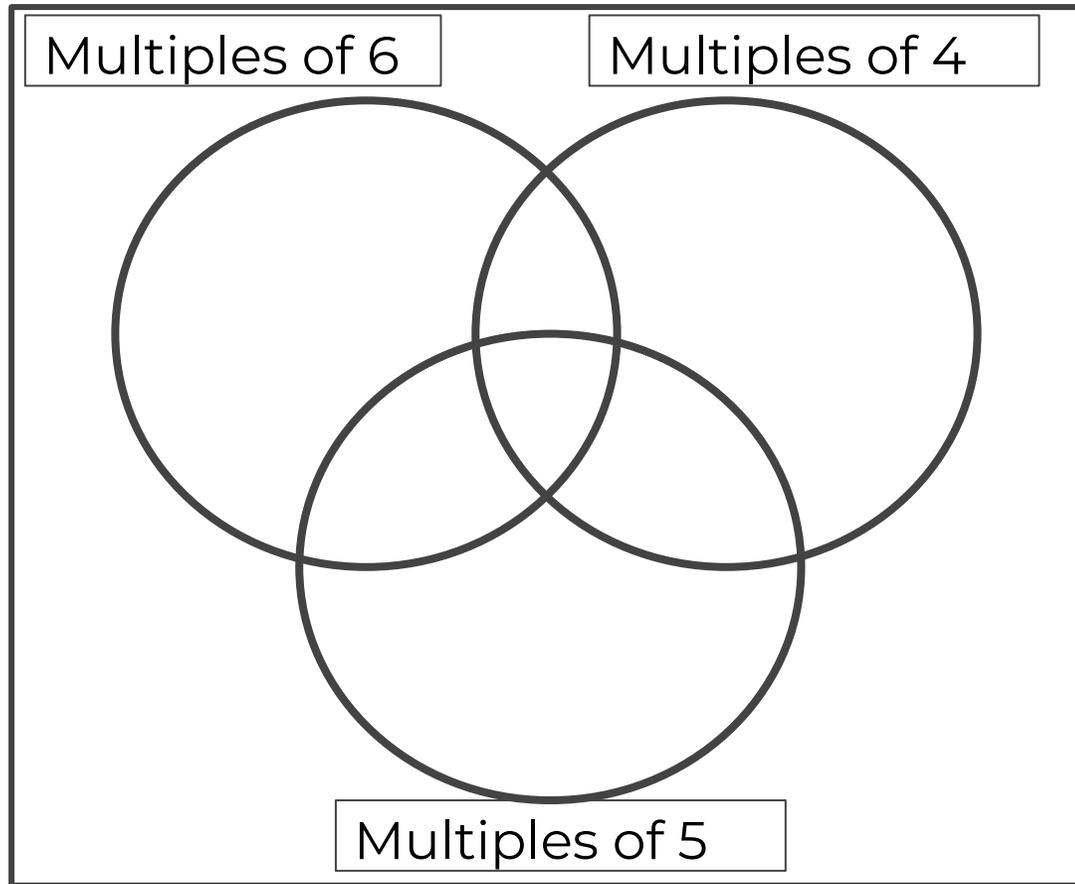
## Common Multiples



36 is a common multiple of 9 and 6.



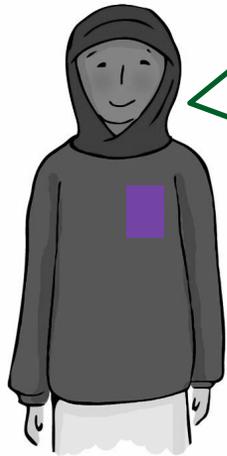
# Independent task



- 1) Sort the integers from 1-40 in this **Venn diagram**
- 2) In which section would you find multiples of 20?
- 3) Where would you find prime numbers?
- 4) What is the lowest common multiple of 6 and 4?



# Explore



Some groups of integers will have no common multiples

You will always be able to find a common multiple



Which student do you agree with?

Explain your reasoning.