

Number Detective



Calling all detectives! You will need to think creatively, use your reasoning skills and your problem-solving strategies to find the mystery number.

See the attached **Number Detective** sheet.

ON AIR

Create a video explaining what your favourite Maths concept is.

How does that concept work?

Can you show examples?

Can you teach someone at home this concept?

Biscuit decorations

Can you work out what biscuits have icing or decorations?

See the attached **biscuit decorations** investigation.



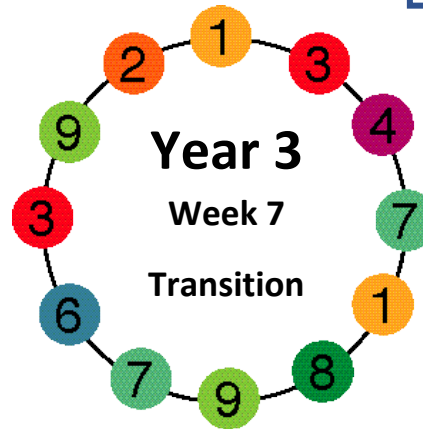
True or False



If I count in 100s from zero, all of the numbers will be even.

Convince me this is correct.

Can you show your workings out?



Investigation

How many different ways can you make the number 452?

Can you write each way in expanded form?

(E.G. $400+50+2$)

Can you compare your answers with someone at home?



Challenge for your new teacher

Make a **poster** to tell your next teacher all about you!

Use your maths skills to write clues to give them information about you but without giving them the answer- they need to work that out themselves. You could think about:

- Your birthday
- Your height
- How many siblings you have
- Your house number



Interactive games

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://www.topmarks.co.uk/number-facts/number-fact-families>