

Investigation

Remaining Remainders

- Solve these questions mentally, writing any remainders as fractions

$25 \div 2$

$37 \div 4$

$56 \div 5$

$301 \div 3$

$631 \div 6$

$91 \div 5$

- What do you notice about the answers?
- Write four more divisions that have a similar result.



- Now try these:

$27 \div 4$

$38 \div 5$

$153 \div 5$

$603 \div 6$

$87 \div 7$

- What do you notice about the answers?
- Write four more divisions that have a similar result.

Can you find a question that gives this result when dividing by 2 or by 3?
Why not?

Challenge

Now find some division questions that give a remainder of 5. What numbers will you have to avoid dividing by this time?