Maths Investigations – Week 5
Multiplication and division by 10 and 100

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 your learning from this week, can you solve these number sentences. Show me how you know you are right.

Jacob is paid £10 an hour.
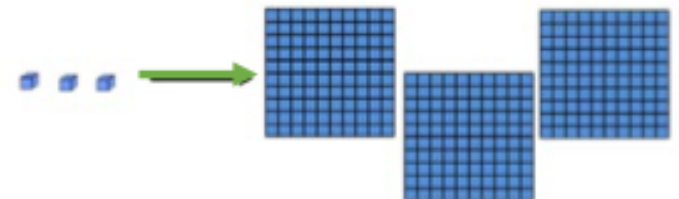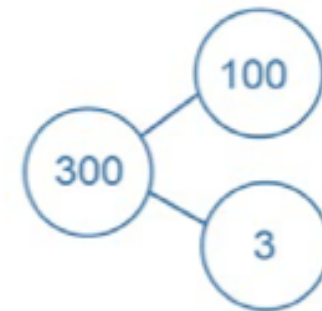His monthly pay for October was £890

How many hours did hours did Jacob work in October?

An egg box can hold 10 eggs.
How many eggs are there in 45 full boxes?

Investigation 2

This investigation asks you what representation does not show multiplying by 100. One of these is wrong, find out which one is incorrect and explain how you know it is incorrect.

Investigation 3

Using the number cards, can you fill in the blanks to make these number sentences correct. You will be multiplying and dividing by 10 and 100.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

$$170 \div 10 = \boxed{}\boxed{}$$

$$\boxed{}20 \times 10 = 3\boxed{}00$$

$$18\boxed{}0 \div 10 = 1\boxed{}6$$

$$\boxed{}9 \times 100 = 5\boxed{}00$$

$$6\boxed{} = 6{,}400 \div 100$$