Welcome to this week's Maths Challenge!
Have a go at both questions!
Drop your solution in the box in the staffroom by Tuesday.

Year 8 and below

Insert the missing parentheses into each equation so that it becomes true when worked out according to the rules of order of operations (e.g. BIDMAS).

$$9 + 12 \div 3 + 4 \div 2 + 1 \times 2 = 2$$
$$9 + 12 \div 3 + 4 \div 2 + 1 \times 2 = 5$$
$$9 + 12 \div 3 + 4 \div 2 + 1 \times 2 = 8$$
$$9 + 12 \div 3 + 4 \div 2 + 1 \times 2 = 11$$
$$9 + 12 \div 3 + 4 \div 2 + 1 \times 2 = 12$$
$$9 + 12 \div 3 + 4 \div 2 + 1 \times 2 = 19$$

Year 9 and above

Find two rational numbers, both less than ten, whose product is ninety-nine.
A rational number is a fraction $\frac{a}{b}$, where $b \neq 0$ and $a, b \in \mathbb{Z}$, that is, a and b are both integers.