

3.3.21 Year 4 WALT: To be able to use written method to divide a 3-digit number by a single digit number (hundreds > divisor, one exchange) with no remainder

3.3.21 Do it

$$\begin{array}{r} 142 \\ 3 \overline{)426} \end{array}$$

$$\begin{array}{r} 242 \\ 3 \overline{)726} \end{array}$$

$$\begin{array}{r} 141 \\ 5 \overline{)705} \end{array}$$

$$\begin{array}{r} 232 \\ 4 \overline{)928} \end{array}$$

$$\begin{array}{r} 131 \\ 6 \overline{)786} \end{array}$$

3.3.21 Secure it

Coco is incorrect because you cannot divide 706 by 6 as it will leave a remainder.

Deepen it

A 3-digit number is divided by a 1-digit number.
The quotient is 219.

Investigate the maximum and minimum values for the divisor and dividend.

$$\begin{array}{r} 219 \\ 2 \overline{)438} \end{array}$$

$$\begin{array}{r} 219 \\ 3 \overline{)657} \end{array}$$

$$\begin{array}{r} 219 \\ 4 \overline{)876} \end{array}$$

Investigate the maximum value for the quotient when the hundreds digit of the dividend
i) > divisor

$$\begin{array}{r} 999 \\ 1 \overline{)999} \end{array}$$

ii) = multiple of the divisor

$$\begin{array}{r} 333 \\ 3 \overline{)999} \end{array}$$