

## P5 Dividing a 3-digit number by a single digit - these activities will last all week.

Watch the youtube clip - <https://www.youtube.com/watch?v=FAPcjdAhnry>

In the box there are 10 groups of items to be shared out. Work out how many each person would get and what the remainder would be. Write a 'bus stop' division calculation in your jotter to divide the items between different numbers of children. Remember to write in the remainders.

### Task 1.

Share each item between 2 children.



### Task 2.

Share each item between 4 children.



### Task 3.

Share each item between 3 children.



### Task 4.

Share each item between 6 people



### Task 5.

Share each item between either 7, 8 or 9 children – you choose!

### Challenge 1

Choose some of the items and add another digit to the number – e.g. instead of 368 bottles of cola change it to 3684 bottles and divide the 4 digit number by a single digit of your choice.

$$186 \div 6 = \begin{array}{r} 031 \\ 6 \overline{) 186} \\ \underline{6} \phantom{00} \\ 18 \phantom{0} \\ \underline{18} \phantom{0} \\ 0 \phantom{0} \end{array}$$

no groups of 6 can be made       $3 \times 6 = 18$        $1 \times 6 = 6$

### Challenge 2

Only try this challenge if you are fully confident with division calculations!

Watch this clip about division with decimals -

<https://www.youtube.com/watch?v=gmNie3s4hcl> -

then try some calculations from the grid again but this time find the answer with decimals.



234 felt pens



267 doughnuts



534 books



368 bottles of cola



179 gel pens



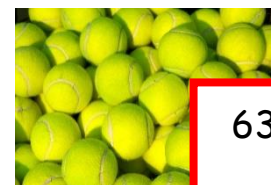
220 cupcakes



375 balloons



437 flowers



633 tennis balls



642 sweets