Can you…?

Divide mentally by 10, 100 or 1000? Use your knowledge of place value and decimals to help you!

Choose a random 3 or 4 digit number, then divide it by 10, 100 and 1000. For example, if your number was 564:

564 ÷ 10 = 56.4
564 ÷100 = 5.64
564 ÷ 1000 = 0.564

Challenge yourself – include a decimal point in your original number!

Practising Division

Choose your challenge! Sheets can be found on the Website:

Dividing using known number facts

Bus Stop division practice (no remainders)

Bus Stop division practice (with remainders)

This video helps to explain the Bus Stop Method for division:

https://www.bbc.co.uk/bitesize/articles/zjbyvk7

Always, Sometimes, Never?

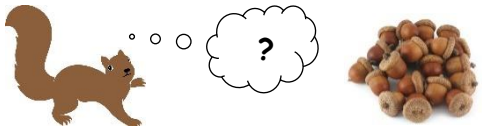
"A three-digit number made of consecutive descending digits divided by the next descending digit always has a remainder of 1"

Example for 7654:

765 ÷ 4 = 191 remainder 1

How many possible examples can you find?

Challenge linked to Home Learning Project



Write a short story for Key Stage 1 children about Sammy the Squirell and Bertie the Badger. Sammy has collected 24 acorns, he wants to share them with 3 of his friends (and keep some for himself). Sammy asks Bertie: "How am I going to share them equally?" Bertie then explains how Sammy is going to divide 24 acorns equally into 4 piles. You could use pictures to help you tell the story too!

Division Word Problems

1. A large pack of 132 marbles is shared equally into 12 bags. How many marbles will there be in each bag?
2. There are 68 tennis balls in a tub. The tennis balls are organised into sets of four tennis balls. How many sets will there be?
3. A plate holds 6 pieces of cake. How many full plates can be created from 74 pieces?
4. A grocer has 189 baking potatoes. The grocer puts 75 baking potatoes out individually and bags the rest of the potatoes into packs of 6. How many packs of 6 does the grocer make?

Games & Online Resources

https://www.topmarks.co.uk/maths-games/hit-the-button (choose 'Division Facts' game)

http://www.math-play.com/Division-Millionaire/division-millionaire-game_html5.html