



Year Four answers 18/5/20

Maths

We are going to do some work on multiplication and division for the next couple of weeks. We will start today with multiply by 10 and 100 (see additional resources for help). Remember when we multiply by 10 we move each digit ONE place to the left on a place value chart and when we multiply by 100 we move each digit TWO places to the left.

Fluency

$3 \times \text{one} = \text{one} + \text{one} + \text{one} = 3 \text{ ones} = 3$

Complete:

$3 \times \text{ten} = \text{ten} + \text{ten} + \text{ten} = 3 \text{ tens} = 30$

$3 \times \text{hundred} = \text{hundred} + \text{hundred} + \text{hundred} = 3 \text{ hundreds} = 300$

Use a place value grid and counters to calculate:

$7 \times 10$	$63 \times 10$	$80 \times 10$
$7 \times 100$	$63 \times 100$	$80 \times 100$

What's the same and what's different comparing multiplying by 10 and 100? Write an explanation of what you notice.

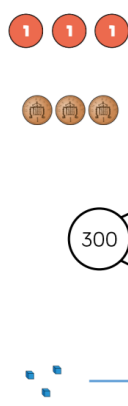
Use  $<$ ,  $>$  or  $=$  to make the statements correct.

$75 \times 100$	$\bigcirc$	$75 \times 10$
$39 \times 100$	$\bigcirc$	$39 \times 10 \times 10$
$460 \times 10$	$\bigcirc$	$100 \times 47$

2. 70      630      800  
700      6300      8000

Reasoning

Which represent multiplying by 1  
Explain your answer:



The part-whole model does not represent multiplying by 100

Part-whole models show addition (the aggregation structure) and subtraction (the partitioning structure), so if the whole is 300 and there are two parts, the parts added together should total 300 (e.g. 100 and 200, or 297 and 3). If the parts are 100 and 3, the whole should be 103.

To show multiplying 3 by 100 as a part-whole model, there would need to be 100 parts each with 3 in.

Mastery

Annie has multiplied a whole number by 10

Her answer is between 440 and 540

What could her original calculation be?

How many possibilities can you find?

$45 \times 10$   
 $46 \times 10$   
 $47 \times 10$   
 $48 \times 10$   
 $49 \times 10$   
 $50 \times 10$   
 $51 \times 10$   
 $52 \times 10$   
 $53 \times 10$

English

I hope you learnt the words before you played the video. How many did you get right out of six?

Foundations Subject – Geography

I can research a Mediterranean holiday destination and describe its human and physical features and climate.

Talk to your grown up about these questions.

1. Can you name some Mediterranean countries/holiday destinations?
2. Why do you think people go here on holiday?

Research one of these destinations and present it in your own way in your homework book or on paper – like when we have done the double page spreads at school. You may use a computer if you wish. You must include human and physical features of the destination and information about its climate. You could include pictures, map, data etc. Use colours, make it look good and keep your presentation neat.

Human = Things which have been built/made by humans.

Physical = Things which have occurred naturally (e.g. cliffs, beaches)

Take a photo of your work and share it on the home learning post on Facebook – I would love to see your wonderful work!