Year 6 Maths

Monday 27th April, 2020

News from Mrs Gogarty: Why don't you choose a museum from the twelve on this site and go on a virtual tour? Perhaps they have some Mayan exhibits.
A virtual tour of twelve famous museums:
https://www.travelandleisure.com/attractions/museums-galleries/museums-with-virtual-tours

Spanish and/or French

Did you have a go at Spanish and/or French on Duolingo? Try to do 5 minutes every day.

Maths answers

Here are the answers to Friday's work.

Answers for self-marking

Multiply the following numbers by 10, 100 and 1000 to complete the table.

	x 10	x 1000	x 100
0.003	0.03	3	0.3
1893.852	18 938.52	1 893 852	189 385.2
600.001	6000.01	600 001	60 000.1

Divide the following numbers by 10, 100 and 1000 to complete the table.

	÷ 100	÷ 1000	÷ 10
4.08	0.0408	0.00408	0.408
215.9	2.159	0.2159	21.59
9.99	0.0999	0.00999	0.999
450.04	4.5004	0.45004	45.004

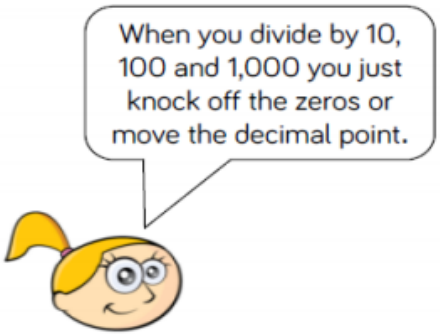
Complete the following table.

	÷ 1000	x 100	÷ 10
6.45	0.00645	645	0.645
0.501	0.000501	50.1	0.0501
936	0.936	93 600	93.6
7180	7.18	718 000	718

Complete this table, using your own calculations.

	÷	x	÷

Kate says,



Do you agree?
Explain why

Kate is wrong, the decimal point never moves. When dividing, the digits move to the right and each time they move one column to the right they get 10 times smaller.

You cannot just get rid of zeros as sometimes a number being divided by 10, 100 or 1,000 does not have any zeros to begin with e.g. 24

- Four children are thinking of four different numbers.

3.454	4.445
4.345	3.54

Yvonne: "*My number has four hundredths.*"

Alex: "*My number has the same amount of ones, tenths and hundredths.*"

Louise: "*My number has more tenths and hundredths than ones.*"

Emily: "*My number has 2 decimal places.*"

Can you match each number to the correct child?

Emily = 3.45, Alex = 4.445. Louise = 3.454, Yvonne = 4.345

Maths

I have got some new maths activities which will be sent out daily to you by email and also shared on our website.

Our school follows a scheme called White Rose Maths, which sets out how we teach all the maths topics we are meant to cover over the year. They have set up a really helpful home learning section on their website, with a page for each year group and special daily tasks. There is a video clip which talks you through each day's 'lesson' that you should watch before attempting the task, then there is an activity sheet, and an answer sheet to look at to check your answers. The link for this week's learning is here:

https://whiterosemaths.com/homelearning/year-6/

This week, our maths lessons will focus on:

Monday	**Multiplying decimal numbers. Please see below.**
Tuesday	**Summer term week 1, lesson 1: Vertically opposite angles**
Wednesday	**Summer term week 1, lesson 2: Angles in a triangle**
Thursday	**Summer term week 1, lesson 3: Angles in a triangle – special cases**
Friday	**Summer term week 1, lesson 4: Angles in a triangle – missing angles**

I will download the activity sheets and answer sheets and put these on the website for you, but if you have any trouble accessing or viewing these, you can get them yourself from the website.

I hope the videos are helpful. I will be ringing you all again this week, and again weekly from now on, so, if there is anything you want to ask or check, please let me know.

Maths

Today we are going to revise how to multiply decimal numbers. First remind yourself of the method with this clip.

https://www.youtube.com/watch?v=dSFja7Jsg6c

Now please answer these questions in your book.

Maths

LO: To multiply decimals by integers

Starter Activity 1

$$60 \div 15 =$$

Starter Activity 2

- What is the value of the underlined digit in the following numbers?

  3.42 4.562 34.621 54.36

Fluency 1

a) £4.56 x 5

b) £10.25 x 8

c) £0.57 x 4

Fluency 2

Jess is saving her pocket money. Her mum says,

"Whatever you save, I will give you five times the amount."

If Jess saves £2.23, how much will her mum give her?

If Jess saves £7.76, how much will her mum give her?

Reasoning

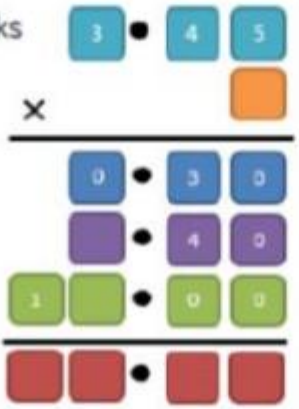
Amy says,

When you multiply a number with 2 decimal places by an integer, the answer will always have more than 2 decimal places.

Do you agree?
Explain why.

Problem solving/reasoning

Fill in the blanks



How did you get on? Here are the answers.

Answers

Starter activity 1: 4
Starter activity 2: 4 tenths, 2 thousandths, 2 hundredths, 6 hundredths

Fluency 1
A: £22.80
B: £82
C: £2.28

Fluency 2: £2.23 x 5 = £11.15, £7.76 x 5 = £38.80

Reasoning:

Possible answer:

I do not agree because there are examples such as 2.23 x 2 that gives an answer with only two decimal places.

Problem solving/reasoning: