

Wednesday 1st April 2020

Today we are going to continue our learning on short division using the bus stop method.

It is important that we don't forget areas that we have already learnt.

Let's remind ourselves of multiples and factors.

Click on the link to briefly recap factors -

<https://www.bbc.co.uk/bitesize/topics/zfq7hyc/articles/zp6wfcw>

Click on the link to briefly recap multiples –

<https://www.bbc.co.uk/bitesize/topics/zqbg87h/articles/zgbpnbk>

Task 1 -

- 1. Write the first 10 multiples of 8**
- 2. Write the factors of 24**

Task 2 –

Factors and Multiples Quiz

1. Which number below is a factor of 24, but not a multiple of 8.
A 8
B 7
C 10
D 12
2. Which number below is a factor of 20, but not a multiple of 5.
A 4
B 6
C 8
D 10
3. Which number below is a factor of 12, but not a multiple of 3.
A 4
B 6
C 8
D 9
4. Which number below is a factor of 22, but not a multiple of 11.
A 2
B 4
C 11
D 22
5. Which number below is not a factor of 12, AND a multiple of 6.
A 4
B 6
C 3
D 10
6. Which number below is a factor of 20, but not a multiple of 2.
A 4
B 5
C 10
D 12

WALT solve problems involving division – 01/04/2020

Today we are going to solve problems involving division –

Remember to use the bus stop method to solve the problems.

Steps to success –

I have carefully read the question

I have written the calculation using the bus stop method

I have remembered to carry remainders to the next digit.

Answer these questions in your maths books. Use the short bus-stop method.

$57 \div 3 = 19$

How many times does 3 go into 5?
It goes into 5 once and has a remainder of 2.

How many times does 3 go into 27?
It goes into 27 nine times and has no remainder.

3 | 5²7

19

1. I have 726 cupcakes to sell at the fair. The fair lasts for 3 days. How many do I want to sell each day?



2. There are 484 children in the school. They need to be split into 4 groups. How many children will there be in each group?



3. Five hundred and nineteen penguins need to be put into 3 pools. How many will go in each pool?



4. There are 847 Anglo-Saxons living in 7 villages. How many live in each village?



5. There are 964 potatoes in the bags and 4 enormous pans in the kitchen. How many potatoes will the chef put in each?



6. There are 309 paint brushes in the cupboard and 3 trays for them. How many paint brushes should go in each tray?



7. 428 children need to go to the theatre. Four buses are sent to take them there. How many children should go on each bus?



8. A supermarket has 4 shelves for soup and 564 tins to put on them. How many tins should they put on each shelf?



Challenge questions (optional):

Circle the **two** divisions which have an answer of 4 remainder 3

$13 \div 3$

$23 \div 5$

$22 \div 6$

$31 \div 7$

6 mangoes cost £8.10

Calculate the cost of **one** mango.

 $17 \times 19 = 323$

Use the fact above to find the missing numbers below.

$170 \times 190 =$

$3,230 \div 19 =$

$1,700 \times$

$= 32,300$

Sally's book is 92 pages long.

If she reads seven pages each day, how long will she take to finish her book?