What is the largest possible five-digit number divisible by 12 that you can make from the digits

1, 3, 4, 5 and one more digit?



\*\*\*\*\*



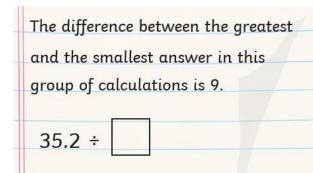


Can you order the digits 1, 2 and 3 to make a number which is divisible by 3? And when the final digit is removed it becomes a two-digit number divisible by 2, then finally a one-digit number divisible by 1?

Is there more than one possible answer?

Now try with the digits 1, 2, 3 and 4 to make a number divisible by 4, remove the final digit to make a three digit number that is divisible by 3, then remove the next to make a two-digit number divisible by 2 and finally a one-digit number divisible by 1.

Now try the same with the digits 1, 2, 3, 4 and 5.



42.4 ÷

71.2 ÷



## **Challenge linked to Home Learning**

Butcher's Wood in Sussex has an area of 70290 metres squared. If there are this number of woodland creatures living there, how much space do they each have?

- 4 foxes
- 7 hedgehogs
- ➤ 6 squirrels
- 3 deers
- 2 badgers
- > 5 rabbits
- > 3 owls
- ➤ 1 bear
- 2 raccoons





Six whole pizzas weigh 8.16kg altogether. Each whole pizza is sliced up into eight equal parts. How much does one slice of pizza weigh?

## Websites/Games/Useful Links

http://www.math-play.com/Division-Millionaire/division-millionairegame html5.html

https://www.free-training-tutorial.com/long-division/snorks/snorks.html