

GCSE Maths worksheet 4

Name _____

Group _____

Don't use a calculator. Do all your working on this sheet. Answer all the questions.

1	Write down all the <u>factors</u> of 72	
2	Find the <u>lowest common multiple</u> (LCM) of 24 and 30.	
3	Below is a list of numbers... 6, 15, 25, 32, 51, 60, 72 a) Write down a <u>factor</u> of 100 in the list b) Write down <u>all</u> the multiples of 3 in the list c) Write down <u>multiple</u> of 12 in the list	
4	Write down all the <u>prime numbers</u> less than 20	
5	One lighthouse flashes every 90 seconds. Another lighthouse flashes every 120 seconds. Both lighthouses flash at the same time at 2217 one day. At what time will both flash together again on that day?	
6	Write down the highest common factor of 30 and 12.	

7	A carton measures 90cm by 60cm by 15cm tall Boxes of raisins measure 9cm by 12cm by 3cm tall. How many boxes of raisins will fit in the carton?	
8	Write down the value of $5^6 \div 5^4$ as a power of 5	
9	Work out $8^{12} \times 8^5$ and put your answer in <u>index form</u> .	
10	Work out the value of $2^3 + 3^2$	
11	Write 24 as a <u>product</u> of its <u>prime factors</u> . Write your answer using <u>index notation</u> .	
12	Write 36 as a product of its prime factors. Write your answer using index notation.	
13	Below is a list of numbers... 5, 7, 12, 20, 27, 54 a) From the list write down a factor of 72 b) Write down a cube number that is in the list c) Write down all the multiples of 9 in the list	