

Factors, Multiples and Primes Revision

(a)	(b)	(c)	
Write down a multiple of 7 that is between 20 and 30 <i>21 or 28</i>	Write down all the factors of 28 <i>1, 2, 4, 7, 14, 28</i>	<p style="text-align: center;">1, 2, 9, 14, 28, 52, 91</p> <p style="text-align: center;">From the numbers in the list above, write down:</p> <p>(a) A prime number <i>2</i></p> <p>(b) A factor of 14 <i>1, 2 or 14</i></p> <p>(c) A multiple of 13 <i>52 or 91</i></p>	
(d)	(e)	(f)	(g)
Express 650 as a product of its prime factors <i>$650 = 2 \times 5^2 \times 13$</i>	Find the lowest common multiple (LCM) of 16 and 20 <i>80</i>	Find the highest common factor (HCF) of 24 and 54 <i>6</i>	Find the HCF and LCM of 60 and 96 <i>HCF = 12</i> <i>LCM = 480</i>
(h)	(i)	(j)	
$A = 2^3 \times 3^2 \times 5$ $B = 2^2 \times 5^3 \times 11$ Find the HCF and LCM of A and B <i>HCF = 20</i> <i>LCM = 99000</i>	Find the lowest common multiple (LCM) of 20, 45 and 120. <i>360</i>	The highest common factor of x and 45 is 15. The lowest common multiple of x and 45 is 630. Find the value of x . <i>$x = 210$</i>	