

Factors, Multiples and Primes Revision

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