

# Crack the Code

# HCF and LCM

<b>A</b>	Find the highest common factor of 6 and 8	<b>B</b>	Find the lowest common multiple of 4 and 5
<b>C</b>	Find the lowest common multiple of 6 and 8	<b>D</b>	Find the highest common factor of 12 and 20
<b>E</b>	Find the highest common factor of 24 and 40	<b>F</b>	Find the lowest common multiple of 9 and 12
<b>G</b>	Find the lowest common multiple of 20 and 35	<b>H</b>	Find the highest common factor of 72 and 90
<b>I</b>	Find the highest common factor of 75 and 105	<b>J</b>	Find the lowest common multiple of 30 and 105
<b>K</b>	Find the highest common factor of 80 and 128	<b>L</b>	Find the lowest common multiple of 28 and 42
<b>M</b>	Talia works in a café every 8 days. Meg works in the same café every 10 days. How often are they both working in the café at the same time?	<b>N</b>	Hotdog sausages are bought in packs of 9. Hotdog buns are bought in packs of 15. What is the smallest number of hotdogs that can be made with no leftover buns or sausages?
<b>P</b>	Find the highest common factor of 12, 18 and 48	<b>Q</b>	Find the lowest common multiple of 2, 3 and 5
<b>R</b>	Two numbers, $x$ and 15, have a HCF of 5 and an LCM of 60. What number is $x$ ?	<b>S</b>	Two numbers, $x$ and 28, have a HCF of 4 and an LCM of 420. What number is $x$ ?
<b>T</b>	$A = 2^3 \times 3^2 \times 11$ $B = 2^2 \times 5 \times 7 \times 11$ Find the highest common factor of A and B.	<b>U</b>	$A = 2 \times 5^2 \times 7 \times 13$ $B = 2^2 \times 3^3 \times 13$ Find the highest common factor of A and B.

Add together all your answers to get the three-digit code.