

Coded times table problem

This is a coded times table. Look at the calculations. Can you work out what each letter represents?

C x B = FB	B x B = GB
F x B = GK	H x B = AB
D x B = FK	J x B = B
A x B = JB	
G x B = JK	E x B = AK
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C x B = FB	B x B = GB	
F x B = GK	D X D – GD	
	H x B = AB	
D x B = FK		
A x B = JB	$J \times B = B$	
	E x B = AK	
G x B = JK		
Notice that the products all end in B or K. Which tables end in this pattern?		
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C x B = FB		
5 5 64	$B \times B = GB$	
F x B = GK	H x B = AB	
D x B = FK		
	$J \times B = B$	
$A \times B = JB$	E x B = AK	
G x B = JK		
It must be the five times table but where do we start?		
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C x B = FB	
F x B = GK	$B \times B = GB$
	$H \times B = AB$
D x B = FK	
A x B = JB	$J \times B = B$
	E x B = AK
G x B = JK	
5 x 5 = 25	
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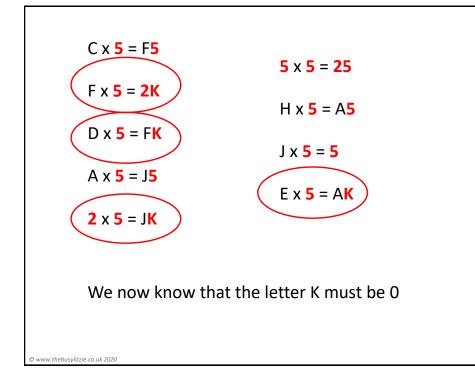
$C \times B = FB$	
	B x B = GB
F x B = GK	$H \times B = AB$
D x B = FK	
	$J \times B = B$
$A \times B = JB$	
	$E \times B = AK$
G x B = JK	
5 x 5 = 25	
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C x B = FB		
	5 x 5 = 25	
F x B = GK		
	$H \times B = AB$	
D x B = FK	J x B = B	
A x B = JB	7 X B - B	
A X D – JD	$E \times B = AK$	
G x B = JK		
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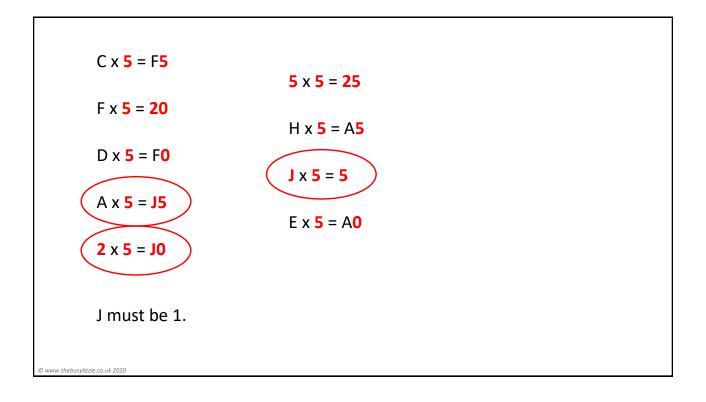
C x B = F 5		
	5 x 5 = 25	
F x B = G K	H x B = A B	
D x B = FK		
	J x B = B	
$A \times B = JB$	E x B = AK	
G x B = JK		
Let's convert all the Bs to us?	5s and the Gs to 2s.	Where does that take
us?		

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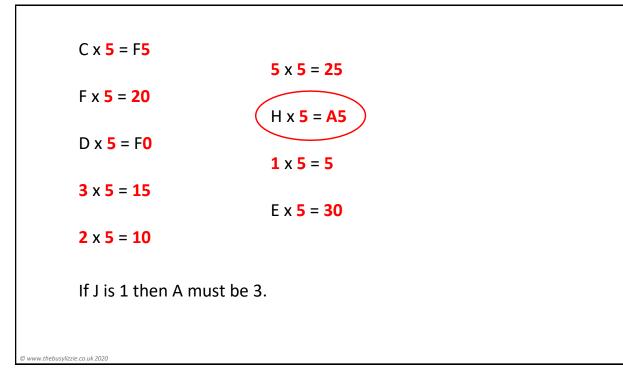
F x <mark>5</mark> = 2K		
D x <mark>5</mark> = FK	H x 5 = A 5	
	J x 5 = 5	
A x <mark>5</mark> = J <mark>5</mark>	E x <mark>5</mark> = AK	
2 x 5 = JK		
Now where do	ve go?	



C x <mark>5</mark> = F5		
	5 x 5 = 25	
F x <mark>5 = 20</mark>		
	H x 5 = A 5	
D x <mark>5</mark> = F 0		
	J x 5 = 5	
A x 5 = J5	E x <mark>5</mark> = A0	
2.45	E X 5 – AU	
2 x 5 = J0		
	12	
Now where do w	ie go next?	
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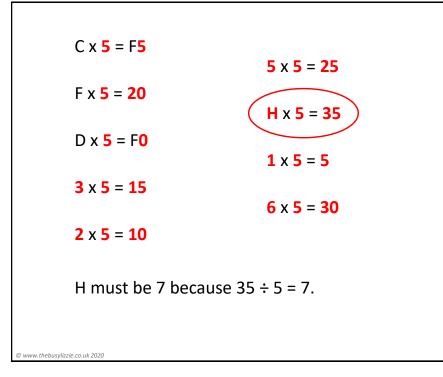
C x <mark>5</mark> = F5		
	5 x 5 = 25	
F x 5 = 20		
	H x 5 = A 5	
D x 5 = F0	1 x 5 = 5	
A x 5 = 15		
	E x <mark>5</mark> = A 0	
2 x 5 = 10		
Now where do we	e go next?	
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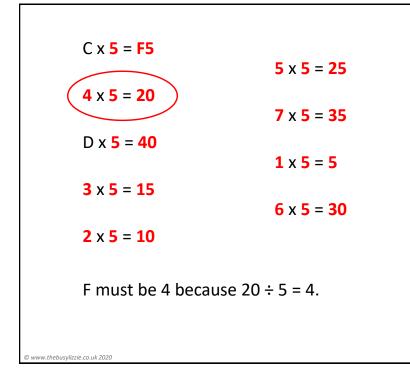
C x <mark>5</mark> = F <mark>5</mark>		
	5 x 5 = 25	
F x 5 = 20		
	H x 5 = 35	
D x 5 = F0	1 x 5 = 5	
3 x 5 = 15	1 × 5 = 5	
5 X 5 = 15	E x <mark>5 = 30</mark>	
2 x 5 = 10		
Now where do w	e go next?	
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C x <mark>5</mark> = F 5	
F x 5 = 20	5 x 5 = 25
D x 5 = F0	H x 5 = 35
3 x 5 = 15	1 x 5 = 5
2 x 5 = 10	E x 5 = 30
If A is 3 then E is 6	because 30 ÷ 5 = 6
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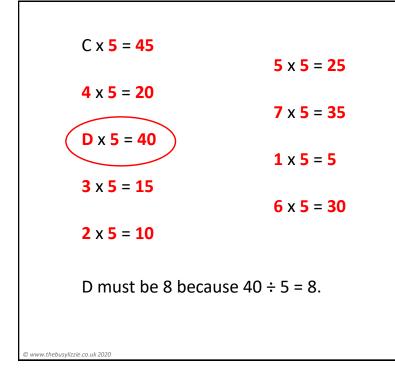
C x 5 = F5		
	5 x 5 = 25	
F x <mark>5</mark> = 20		
	H x 5 = 35	
D x 5 = F 0		
	1 × 5 = 5	
3 x 5 = 15	C E 20	
	6 x 5 = 30	
2 x 5 = 10		
Now where do w	e go next?	
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C x 5 = F 5		
	5 x 5 = 25	
F x 5 = 20		
	7 x 5 = 35	
D x <mark>5</mark> = F 0		
	1 x 5 = 5	
3 x 5 = 15	6 x 5 = 30	
2 x 5 = 10	0 × 3 = 30	
2 X 5 = 10		
Now where do w	a ao novt?	
Now where do w	e go next?	
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C x 5 = 45		
	5 x 5 = 25	
4 x 5 = 20		
	7 x 5 = 35	
D x 5 = 40		
	1 x 5 = 5	
3 x 5 = 15		
	6 x 5 = 30	
2 × 5 = 10		
Now where do w	e go next?	
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9 x 5 = 45	
	5 x 5 = 25
4 x 5 = 20	
	7 x 5 = 35
8 x 5 = 40	
	1 x 5 = 5
3 x 5 = 15	
	6 x 5 = 30
2 x 5 = 10	
Therefore, C must	be 9 because 45 ÷ 5 = 9.
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