

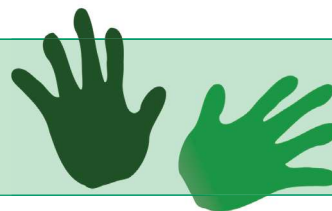
A Bit Stuck?

Times table puzzler

Work in pairs

Things you will need:

- A multiplication grid



What to do:

1. Tell your partner what each of these words mean, giving an example for each.

factor

multiple

2. Now, with your partner, find at least one number to fit in each cell of this table. Do use the multiplication grid to help if needed.

	Factor of 36	Multiple of 5	Factor of 54	Multiple of 7
Odd				
Even				
Multiple of 3				

S-t-r-e-t-c-h:

Find a number on the multiplication grid with more than six factors.

Learning outcomes:

- I can find factors of numbers and multiples within known times tables.
- I am beginning to realise what sorts of numbers have many factors.

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×	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144