

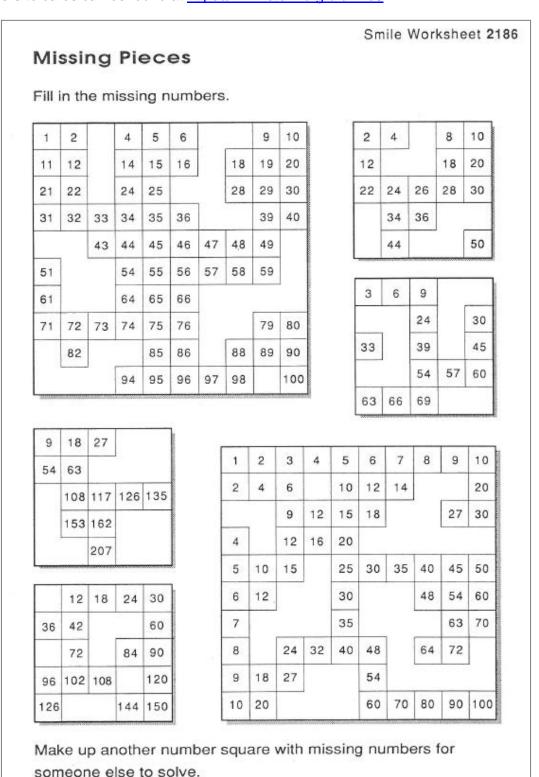


Multiplication

Here are some examples of activities, games or puzzles which can be used to support mathematics learning.

These examples are taken from the multiplication packs. There are three packs in this collection. The mathematical demand increases as you work through the packs. The complete packs can be downloaded at https://www.stem.org.uk/rxzdw

Answers to cards can be found at https://www.stem.org.uk/rxxo5







Smile 1385

You will need 2 dice, 20 red counters and 20 blue counters

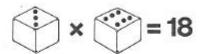
Times Square – a game for 2 players

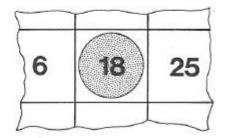
Throw the two dice and multiply their numbers.

Use a counter to cover up your score on the board.

Next player!

The winner is the first player to get 3 counters in a line.





10	2	12	4	18	6
20	6	3	9	2	12
36	10	6	18	25	5
8	5	16	12	4	15
20	3	24	6	1	30
12	30	8	15	24	4





You will need worksheet 1390A

Smile 1390

Table Facts

Most children learn their "tables" by heart. Investigating number patterns makes that job easier.

You may think there are too many "tables" to remember. but some of them are easy. . . . like $10\times 10=100$.

Use this card to find which tables you still need to learn. There are not as many as you think. . . !

Use worksheet 1390A.

Fill in the table facts which you know by heart.

... everybody knows the I times table

... you ought to know the 2 and 10 times table

... most people know the 3 and 5 times

her as for set tes as he as

Can you see why the tables are in rows and columns?

- Fill in the tables which you can **work out**. ... if you know $10 \times 4 = 40$ then 9×4 must be 4 less. ... if you know $2 \times 7 = 14$ then 4×7 must be double. 7
- Check your answers. m
- Shade the facts which you know by heart or you can easily work out.
- Get a friend to test you on the ones you have shaded.
- Write out all the different table facts which you do not know. 8 x 7 = 56, but they are the same. 5
- Learn the table facts which you don't know.

9

Tab	Table Facts	ts					01	Smile Works	Smile Worksheet 1390A	
Fill in the Shade in t	table facts w he facts whi	Fill in the table facts which you know Shade in the facts which you got right	Fill in the table facts which you know (questions I and 2) Shade in the facts which you got right (question 3)	(questions I and	12)					
<u>×</u>	2×1	- ×	* -	5×1	- × 9	7×1	- ×	-×	10×1	
- x 2	2×2	3×2	4×2	5×2	6×2	7×2	8×2	9×2	10×2	
×	2×3	3×3	4×3	5×3	6×3	7×3	8 × 3	8 × 8	10 x 3	
- *	2×4	8 4 4	4 4	5× 4	6 × 4	7×4	% 4	9 × 6	10×4	
1 x 5	2×5	3 x 5	4 x 5	5 × 5	6 x 5	7×5	8 × ×	9 x 5	10 x 5	
1×6	2×6	3×6	4 6 7	5×6	9×9	7×6	8×6	9×6	10×6	
1×7	2×7	3×7	4×7	5×7	6×7	7×7	8×7	9×7	10×7	
8 ×	2×8	3 × 8	8 ×	5 × 8	8 × ·	7 × 8	& × &	8 × 6	10 × 8	
6 ×1	2×9	3×6	4×9	5×9	6 × 9	7×9	8 × 8	6 × 6	10 × 9	
01 × 10	2×10	3×10	4×10	5×10	0 × 9	7×10	8 × 10	9×10	10 × 10	



Smile 2390

Consecutive Products

Consecutive numbers lie next to each other on the number line.

3 4 5 6 7 8

Examples:
6 and 7 are consecutive.
5, 6 and 7 are consecutive.
4 and 6 are not consecutive.
The product of two numbers is found by multiplying them together.
Example:
The product of 6 and 12 is 72 because 6 x 12 = 72

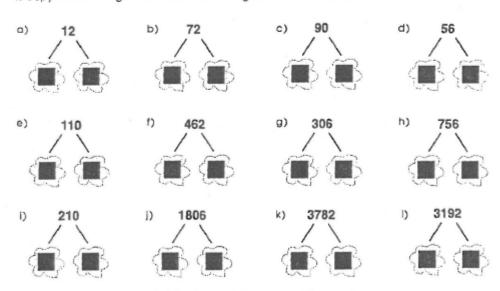
Example:

42 is the product of two consecutive numbers.

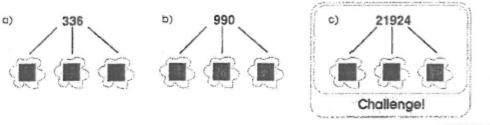
 $6 \times 7 = 42$



1. Copy the following and find the two missing consecutive numbers.



2. Copy the following and find the three missing consecutive numbers.



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