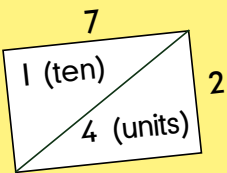


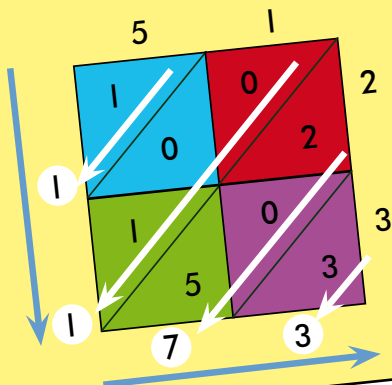
1. Amusing multiplication

Here is a method known as the **LATTICE METHOD** of multiplication. Let's see if you can follow it and use it on the calculations below.

Take $7 \times 2 = 14$. The 14 is written with the 1 in the top (tens) block and the 4 is written in the bottom (units) block.



Now let's try 51×23



Blue block	Times 5 by 2 = 10
Red block	Times 1 by 2 = 02
Purple block	Times 1 by 3 = 03
Green block	Times 5 by 3 = 15

Add all the numbers along each white diagonal arrow. Write them alongside the block. Now write the numbers in the order indicated by the blue arrows. This is your answer.

Your final answer: 1173

Now try doing 26×12 using this method.

2. 0 and X multiplication

- You need two players.
- This game works like noughts and crosses as you have to make a row of three.
- The only difference is that there is a time limit of 5 seconds to fill in the answer.
- If you fill in the correct answer, then you can draw **X** or **O**.

12×10	4×32	12×9
3×13	12×13	7×20
14×15	16×14	5×16

3.

COLOURFUL SUDOKU

You need to fill in the numbers 1-9 in each of the different coloured blocks. All the numbers from 1-9 also have to fit in horizontally and vertically.

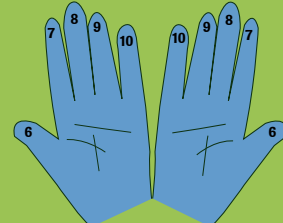
		6					8	
			2		3		6	
		3		2			1	4
		8	9	5	6		4	
6		7	4		9	8		2
	2		8	3	4	6		
1	9			6		2		
	5		7		1			
	6					4		

4. Multiplying fingers

You can work out the 6,7,8,9 and 10 times tables on your fingers.

Here's how:

- Hold your hands with your palms facing upwards.
- Number your fingers as follows:
- Thumbs = 6; Pointing fingers = 7; Middle fingers = 8; Ring fingers = 9; Pinky fingers = 10



- Take 7×8 :
- On left hand put down fingers all fingers up to and including 7. So put down 6 and 7.
- On right hand put down all fingers up to and including 8. So put down 6; 7 and 8.
- Now add all fingers you have put down – each finger represents a ten, thus you have 50.
- Now multiply the remaining fingers together, which is 3 on the left and 2 on the right. Thus $3 \times 2 = 6$
- Now add together $50 + 6 = 56$

Try this with any of the other tables from 6 - 10.

* This method works only for the tables 6 x 6 till 10 x 10*

5.

Quick times tables

Fill in the missing blocks. You have to multiply to get the correct answers.

9		27	3		21
		132			28
108	33			49	

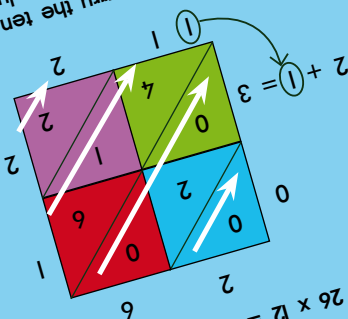
5) Quick times tables

12	7	49
3	7	21
108	33	132
9	11	3
27		

2) 0 and X multiplication

$14 \times 15 = 210$	$16 \times 14 = 224$
$3 \times 13 = 39$	$5 \times 16 = 80$
$12 \times 10 = 120$	$12 \times 13 = 156$
$4 \times 32 = 128$	$7 \times 20 = 140$
$12 \times 9 = 108$	

Remember to carry the ten from your 11 over to the next column and thus you have $2 + 1 = 3$. Thus your answer is 312.



1) Amusing multiplication
 $26 \times 12 =$

ANSWERS

HOW TO FOLD AND MAKE YOUR STORYBOOK ON PAGES 3-6

Step 1



Cut out all the pages of the reader, along the red dotted line.

Step 2



Fold pages in half so the cover is facing you on the right.

Step 3

Fold in half to create your reader



Cut along the dotted line



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