

Activities, games and websites to help with numeracy.

Numeracy is an integral part of maths in school and an essential life skill. Many students struggle to become fluent in times tables and number bonds. Any activity that they can do, or you could do together, will help to improve their confidence and ultimately improve their numeracy. You can find below a selection of websites, games and activities that will give you, and the student, an idea of where to start. Have fun!

Websites

- All the students should have a login for TT Rockstars (a times table site)

There are a few other sites that you may be interested in: -

- Timestables.co.uk <https://www.timestables.co.uk/>

This website has a number of activities to help practise times tables. One section that you might find useful is the 5-step plan. To find this click on 'times table grid' on the menu, this has a grid then a list of times tables to choose from underneath. If you choose a times table and click on it you will see their 5-step plan, this takes you through a set of activities to help you master that times table.



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

- <https://mmerevise.co.uk/ks3-revision/ks3-maths/#revision>

Maths made easy has KS3 (years 7-9) topics, the number section has videos and questions on more formal numeracy and written methods.

Activities and games

Four in a line

- Draw a 6x6 grid and fill it with numbers under 100
- Roll three dice or one dice three times and use these three numbers to add, subtract, multiply or divide to make a number on the grid e.g. roll a 3, 5 and 6 you could make $3 + 5 - 6 = 2$ or $3 \times 5 + 6 = 21$
- Cover or colour this number.
- Take it in turns until one person has 4 in a straight line, they are the winners.

26	9	45	80	4	18
53	10	24	62	70	39
36	21	42	3	50	56
14	60	48	35	20	33
22	52	75	2	92	12
30	68	34	99	27	46

Favourite Food

- Find the cost of a favourite food item, then work out:
 - the cost of 5 of them (or any number you are wanting to practise)
 - The change from £50 for the 5 items
 - The difference between the cost of their favourite and least favourite food.

Sales!

- Choose an item of clothing and make a note of the price, then work out how much it would cost with 50% off, 10% off or 25% off.

Timed Number Challenges

- Time yourself or get someone to time while you complete a number challenge e.g.
Count backwards in 10s from 100
Count up in 10s from a given number until you reach a 3- digit number e.g.
count up in 10s from 7 so it would be 7,17,27,37.....107
Count back in 5s from 60
Choose any times table and a starting point to count forwards or backwards- could extend this by going into the negative numbers
(You could do it again to see if you can be quicker)
- Draw two identical grids and fill the first one with numbers 1 to 10, choose a times table and then fill in the other grid with the answers to those numbers multiplied by the chosen number, time yourself then repeat and try to get quicker.
(There are some pre-printed versions of these at school)

3	8	2	6	4
10	5	7	3	9
5	9	4	1	6
6	10	9	4	2
1	3	8	7	5

X 6



18	48	12	36	

Recipes

- Find a recipe for 4 people and work out the ingredients for 8 people e.g.

125g flour
50g butter
75g sugar
30ml treacle
1 teaspoon ginger



250g flour
100g butter
150g sugar
60ml treacle
2 teaspoons ginger

(You could try this for 2 people, 16 people etc.)

