



Making a Time Tables quiz in Scratch

KS2-Computing

1X	2X	3X	4X	5X
1x1=1	2x1=2	3x1=3	4x1=4	5x1=5
1x2=2	2x2=4	3x2=6	4x2=8	5x2=10
1x3=3	2x3=6	3x3=9	4x3=12	5x3=15
1x4=4	2x4=8	3x4=12	4x4=16	5x4=20
1x5=5	2x5=10	3x5=15	4x5=20	5x5=25
1x6=6	2x6=12	3x6=18	4x6=24	5x6=30
1x7=7	2x7=14	3x7=21	4x7=28	5x7=35
1x8=8	2x8=16	3x8=24	4x8=32	5x8=40
1x9=9	2x9=18	3x9=27	4x9=36	5x9=45
1x10=10	2x10=20	3x10=30	4x10=40	5x10=50
1x11=11	2x11=22	3x11=33	4x11=44	5x11=55
1x12=12	2x12=24	3x12=36	4x12=48	5x12=60
6X	7X	8X	9X	10X
6x1=6	7x1=7	8x1=8	9x1=9	10x1=10
6x2=12	7x2=14	8x2=16	9x2=18	10x2=20
6x3=18	7x3=21	8x3=24	9x3=27	10x3=30
6x4=24	7x4=28	8x4=32	9x4=36	10x4=40
6x5=30	7x5=35	8x5=40	9x5=45	10x5=50
6x6=36	7x6=42	8x6=48	9x6=54	10x6=60
6x7=42	7x7=49	8x7=56	9x7=63	10x7=70
6x8=48	7x8=56	8x8=64	9x8=72	10x8=80
6x9=54	7x9=63	8x9=72	9x9=81	10x9=90
6x10=60	7x10=70	8x10=80	9x10=90	10x10=100
6x11=66	7x11=77	8x11=88	9x11=99	10x11=110
6x12=72	7x12=84	8x12=96	9x12=108	10x12=120

1X	2X	3X	4X	5X
1x1=1	2x1=2	3x1=3	4x1=4	5x1=5
1x2=2	2x2=4	3x2=6	4x2=8	5x2=10
1x3=3	2x3=6	3x3=9	4x3=12	5x3=15
1x4=4	2x4=8	3x4=12	4x4=16	5x4=20
1x5=5	2x5=10	3x5=15	4x5=20	5x5=25
1x6=6	2x6=12	3x6=18	4x6=24	5x6=30
1x7=7	2x7=14	3x7=21	4x7=28	5x7=35
1x8=8	2x8=16	3x8=24	4x8=32	5x8=40
1x9=9	2x9=18	3x9=27	4x9=36	5x9=45
1x10=10	2x10=20	3x10=30	4x10=40	5x10=50
1x11=11	2x11=22	3x11=33	4x11=44	5x11=55
1x12=12	2x12=24	3x12=36	4x12=48	5x12=60
6X	7X	8X	9X	10X
6x1=6	7x1=7	8x1=8	9x1=9	10x1=10
6x2=12	7x2=14	8x2=16	9x2=18	10x2=20
6x3=18	7x3=21	8x3=24	9x3=27	10x3=30
6x4=24	7x4=28	8x4=32	9x4=36	10x4=40
6x5=30	7x5=35	8x5=40	9x5=45	10x5=50
6x6=36	7x6=42	8x6=48	9x6=54	10x6=60
6x7=42	7x7=49	8x7=56	9x7=63	10x7=70
6x8=48	7x8=56	8x8=64	9x8=72	10x8=80
6x9=54	7x9=63	8x9=72	9x9=81	10x9=90
6x10=60	7x10=70	8x10=80	9x10=90	10x10=100
6x11=66	7x11=77	8x11=88	9x11=99	10x11=110
6x12=72	7x12=84	8x12=96	9x12=108	10x12=120

Key Vocabulary



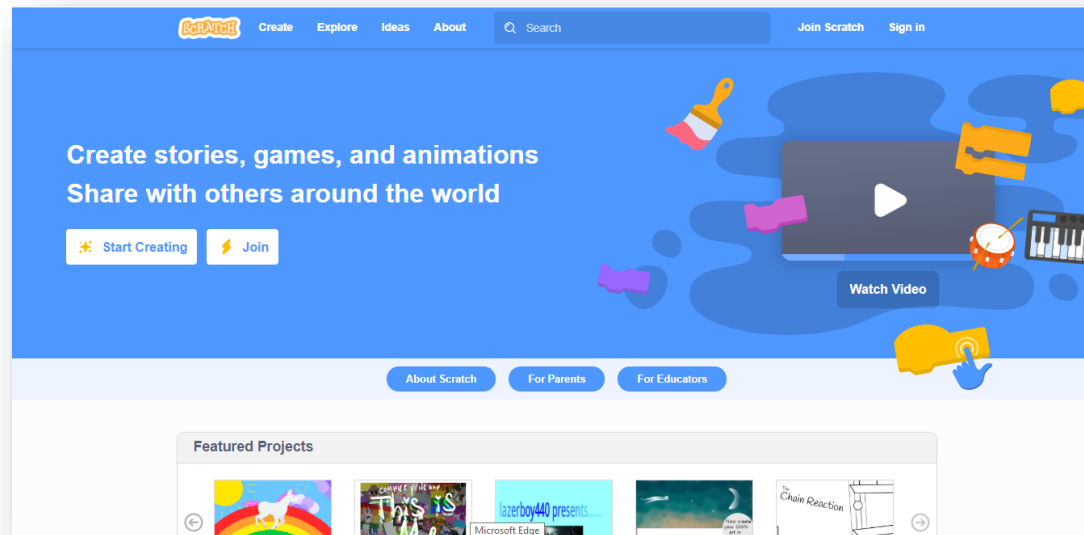
Before you start your game, here is some key vocabulary you will need to understand!

- **Sprite**- A character or an object.
- **Commands/ Code** – Instructions that tell your computer to carry out an action.
- **Programming**- A group of instructions that tell a computer to perform an action.
- **Variables** – A place where computers store information. Variables have names and a value, just like a score board.
- **Test** – To check if your program is working correctly.
- **Debug**- To find and solve a problem within your programming.
- **Ok, let's start.....**



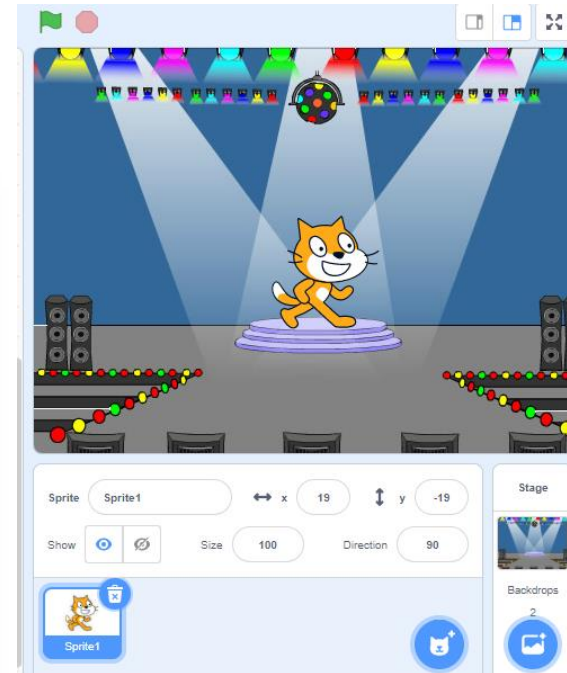
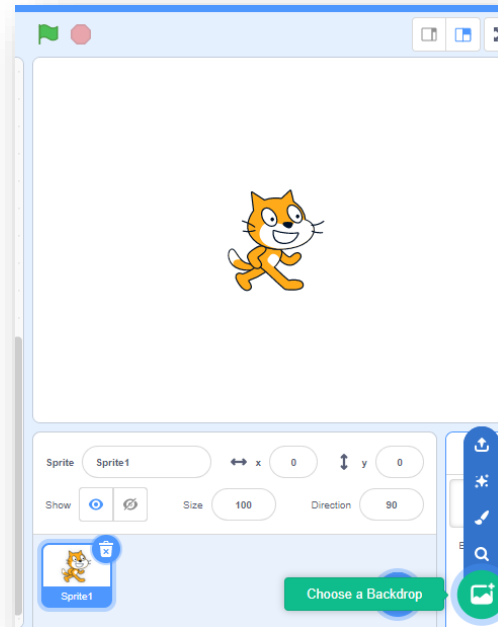
Step 1- Loading Scratch

- Load Google and search for Scratch 3.0.
- Once Scratch has loaded select, 'Start Creating.'



Step 2- Setting Backgrounds

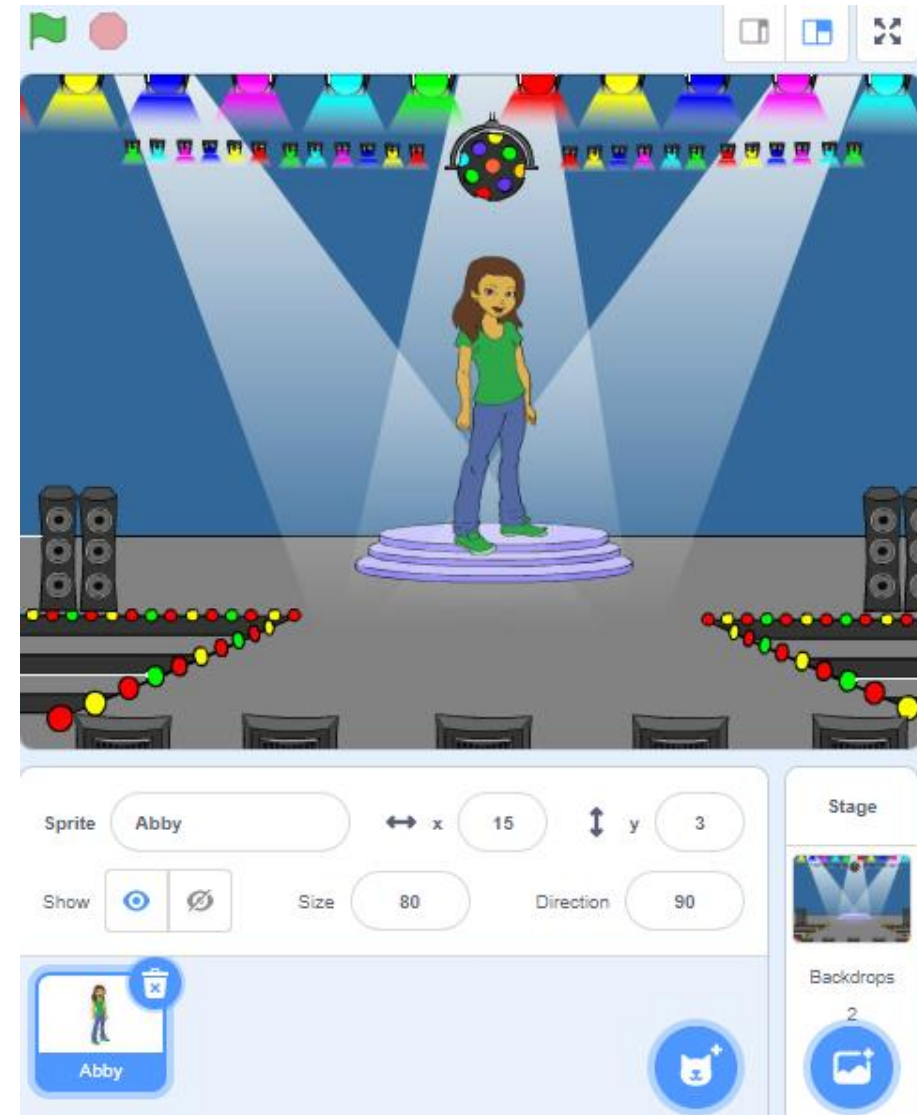
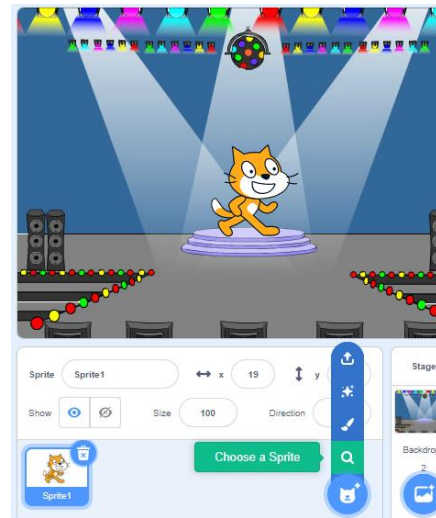
- Select the 'Choose a background' icon.
- Select the search icon.
- Choose a background.



Step 3- Choosing a Sprite

If you would like to change the sprite.....

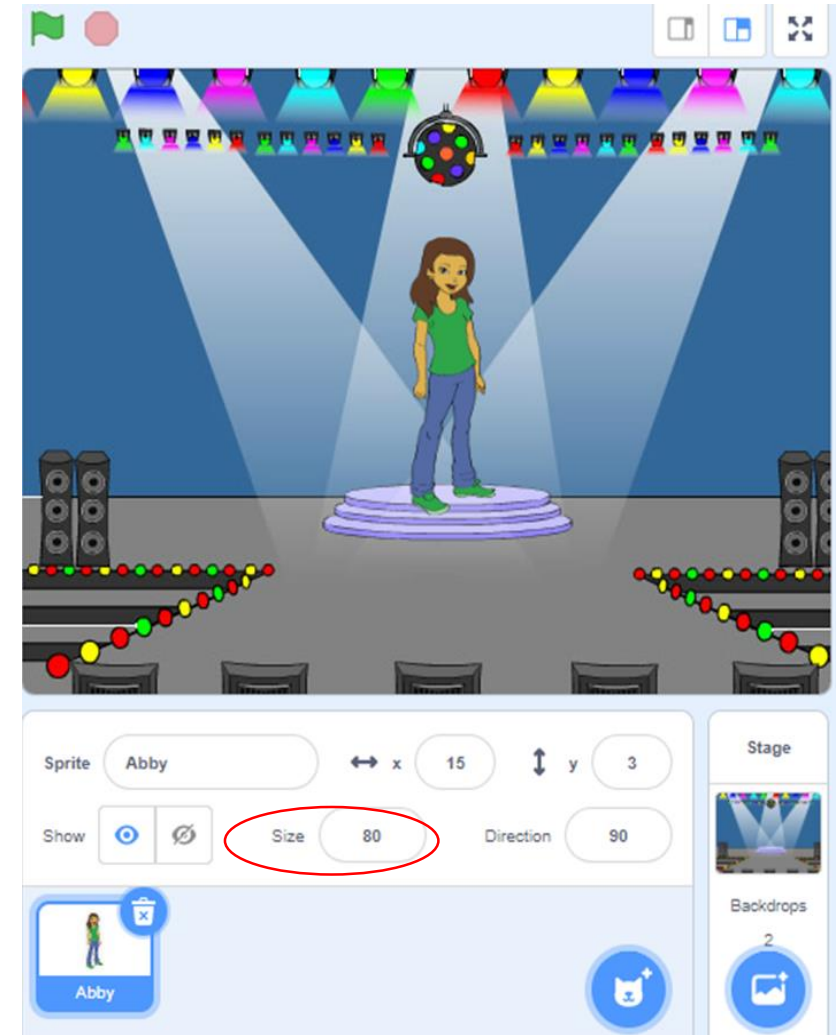
- Select the 'Choose a Sprite' icon.
- Select a sprite from the library.
- Delete the cat.



Step 4-Changing size

If you need to change the size of the sprite....

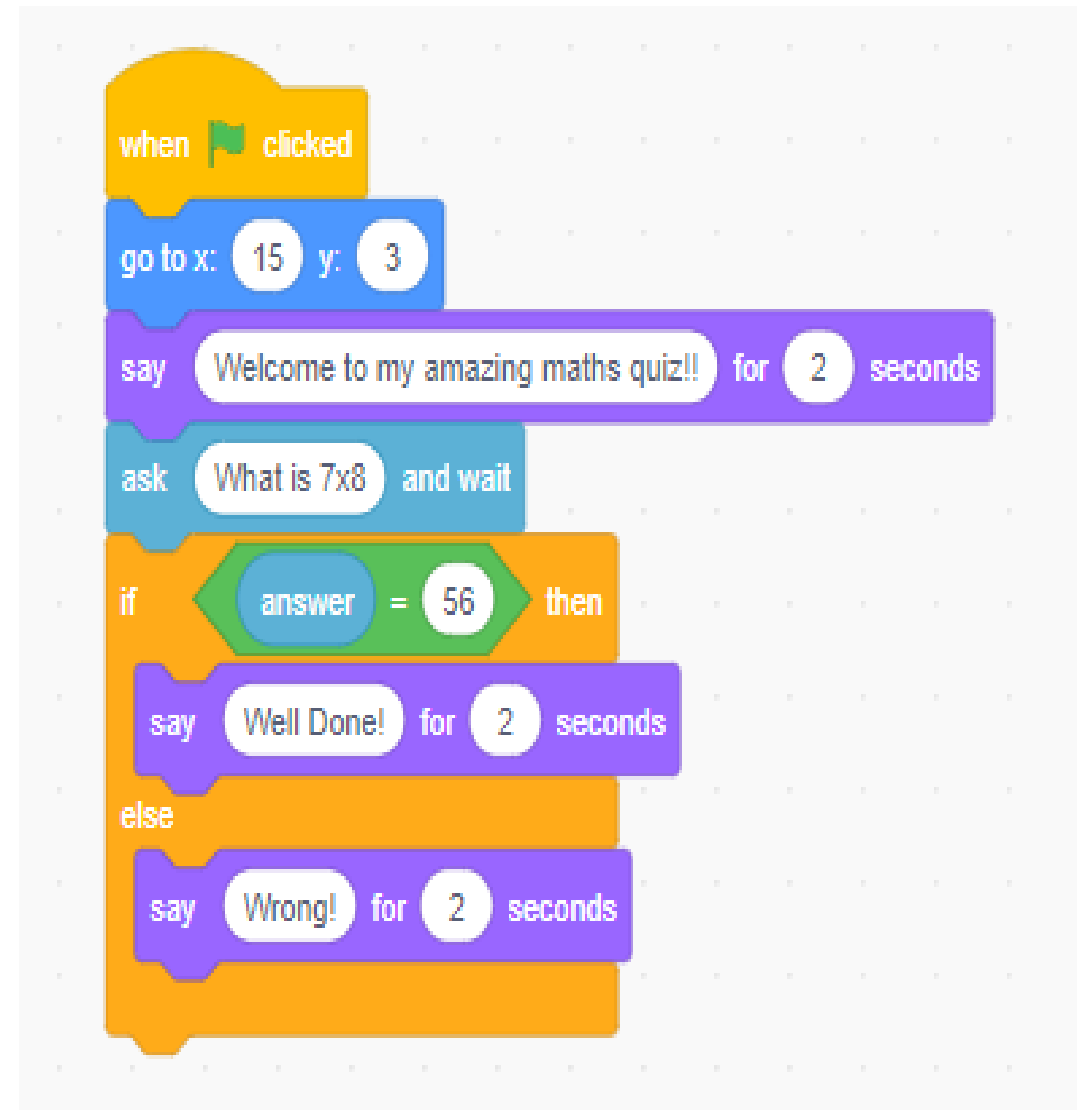
- Click inside the 'Size' icon.
- Add a new number.
- Press Enter.



Step 5- Coding

- Make sure your sprite is selected.
- Add the code you see here.

REMEMBER- to find the correct code
From the blocks, use the colours as a
guide.

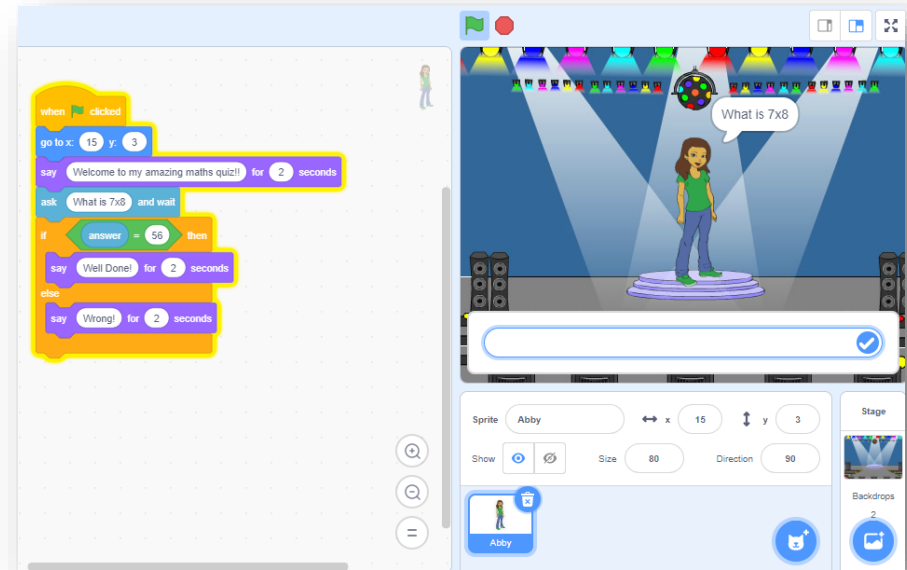


Step 6- Testing your code

- Click on the Green Flag
- Add your answer to the box
- Press enter

Did your programming work?...
Well done!

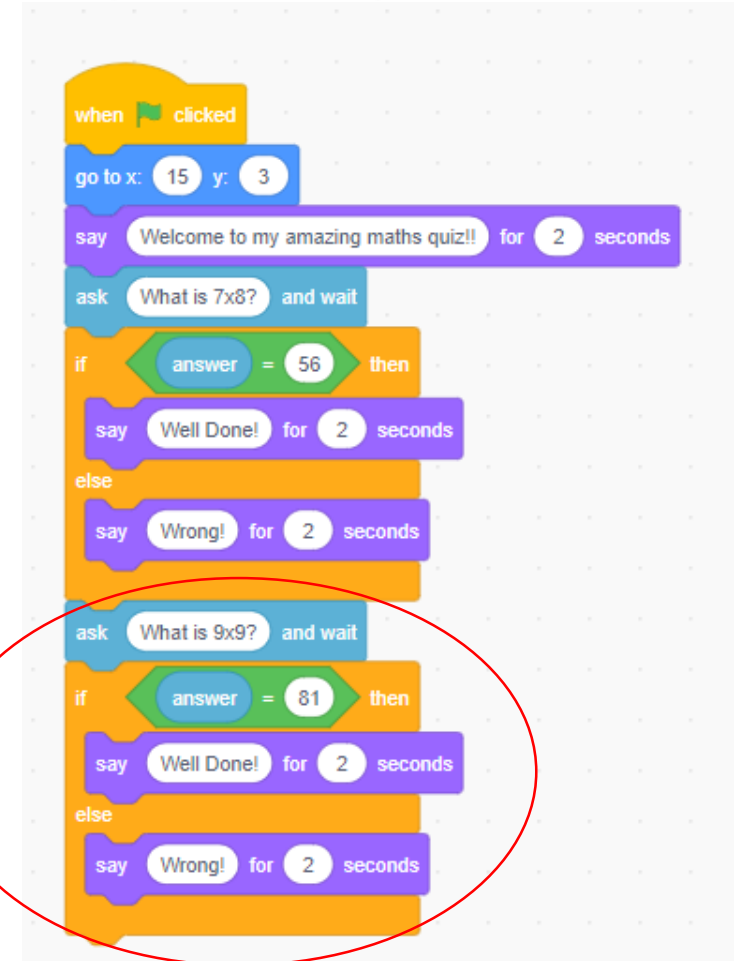
If your programming did not work, check the coding again – you may have missed one line of commands.



Step 7-Adding more questions to your quiz

Quizzes do not have only 1 question so let's add some more...

- Directly underneath the last group of code add the commands which are circled.
- Test this again. Your quiz now has 2 questions.



Step 8- Challenge

- Can you add 10 questions and answers to your quiz?
- Test your results as you build your questions.



Step 9- Test a family member!

OK, so your times tables quiz is all ready....

Change your screen to full screen by

- Selecting the Full Screen Control
- Select the green flag
- Test your family!!

