KIRF: 7 & 11 times table (× and ÷)

Pupils should already be able to count forwards and backwards in 7s and 11s; now they need to apply that knowledge to multiplication facts. They should be able to answer these questions in any order, including missing number questions, e.g. _ × 7 = 21

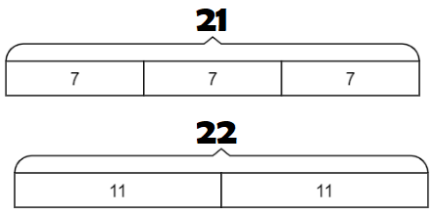
Year Four – Spring 1

What can this look like?

Concrete:

11 x 2 = 22

Pictorial:



Abstract:

1 × 7 = 7	7 ÷ 7 = 1
2 × 7 = 14	14 ÷ 7 = 2
3 × 7 = 21	21 ÷ 7 = 3
4 × 7 = 28	28 ÷ 7 = 4
5 × 7 = 35	35 ÷ 7 = 5
6 × 7 = 42	42 ÷ 7 = 6
7 × 7 = 49	49 ÷ 7 = 7
8 × 7 = 56	56 ÷ 7 = 8
9 × 7 = 63	63 ÷ 7 = 9
10 × 7 = 70	70 ÷ 7 = 10
11 × 7 = 77	77 ÷ 7 = 11
12 × 7 = 84	84 ÷ 7 = 12

11 × 1 = 11	11 ÷ 11 = 1
11 × 2 = 22	22 ÷ 11 = 2
11 × 3 = 33	33 ÷ 11 = 3
11 × 4 = 44	44 ÷ 11 = 4
11 × 5 = 55	55 ÷ 11 = 5
11 × 6 = 66	66 ÷ 11 = 6
11 × 7 = 77	77 ÷ 11 = 7
11 × 8 = 88	88 ÷ 11 = 8
11 × 9 = 99	99 ÷ 11 = 9
11 × 10 = 110	110 ÷ 11 = 10
11 × 11 = 121	121 ÷ 11 = 11
11 × 12 = 132	132 ÷ 11 = 12

Questions to ask at home

What is 7 **multiplied by** 5?

What is 11 **times** 8?

What is 63 **divided by** 7?

Key vocabulary

7 **multiplied** by 3 is **equal to** 21

11 **times** 6 and 6 **times** 11 are **equivalent**

42 **shared by** 7 is **equal to** 6

121 **divided by** 11 **equals** 11

Things to try

Chanting: Say the times table facts out loud,1 times 7 is 7, 2 times 7 is 14 etc.

Look for patterns: The 11 times table follows a pattern. Can you spot it?

Hout it out! One child calls a number from 1–12. Others race to shout the answer to 7x or 11x that number. Make it competitive or play in teams.

Websites:

https://www.topmarks.co.uk/maths-games/hit-the-button