

18 May 2022

National Numeracy Day

# Twenty-one



Watch the episode "Twenty-One and On" on BBC iPlayer and YouTube



There's always more to explore!

How many 7s do you need to make 21?  
How many 3s do you need to make 21?

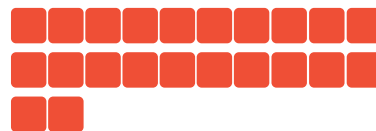
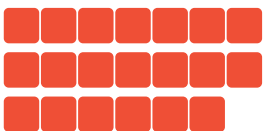
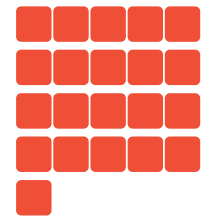
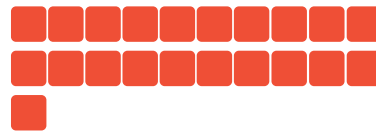
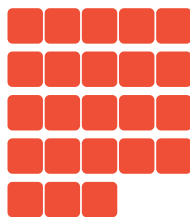
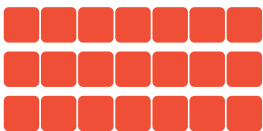
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$21 = \square \times 7$

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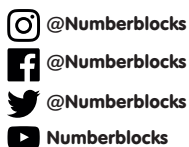
$21 = \square \times 3$

Circle the pictures that make 21



Calling all Number Explorers!

- Can you make a staircase pattern using 21 blocks?



Visit our website for more number fun activities for #NationalNumeracyDay and why not continue the number fun with the Numberblocks World app?  
numberblocks.tv



LEVEL 4

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# Twenty One



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## Notes for grown-ups

### MATHEMATICS

Explore the factors and composition of 21

### ACTIVITIES

- Recognise the factors of 21 as 7 and 3 by completing the equations.
- Identify the expressions that make 21.

### ACTIVITY SOLUTIONS AND EXPECTATIONS

Children may investigate with sticks of 7 blocks to show that 3 sevens make 21 and sticks of 3 blocks to show that 7 threes make 21. If they are not familiar with multiplication, there is no need to complete the equation. The important thing is to recognise that 3 sevens make 21 and 7 threes make 21, as exemplified in the episode.

There is no knowledge of the order of operations, required to explore the equations at the bottom of the activity sheet, simply read from left to right. Children can explore with blocks e.g.,  $4 \times 5 + 1$  is 4 sticks of 5 make 20 and 1 more is 21.



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LEVEL 4