

All About Number 12



Let's have fun
learning about
numbers together

1 2 3 4 5 6 7 8 9 10 11 12

Click on the links to
find out all about
number 12

[Meet Number Block 12](#)

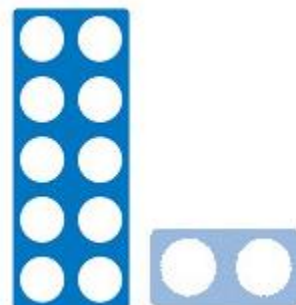
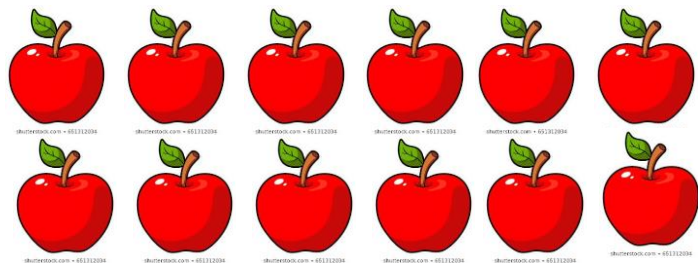
<https://www.bbc.co.uk/iplayer/episode/m0002674/numberblocks-series-3-twelve>

[Number Block 12 song](#)

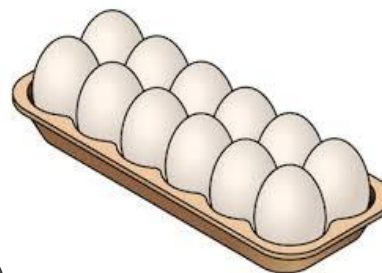
<https://www.youtube.com/watch?v=m8qlmRFTP4&safe=active>



Representing 12

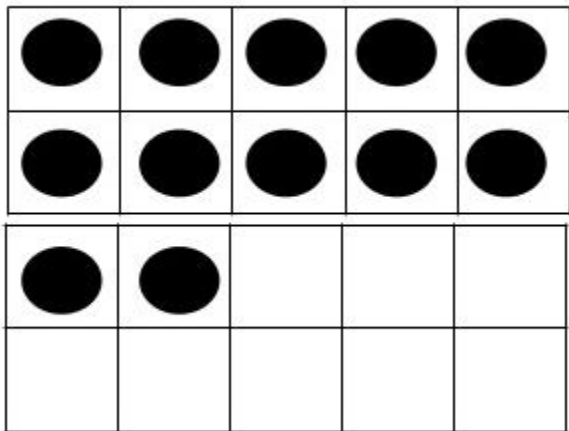


twelve



dozen

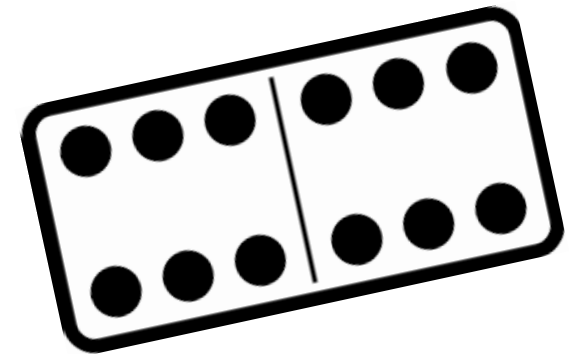
Representing 12



12 on ten frames
10 and 2 more



12 tally marks



Show me 12...



claps

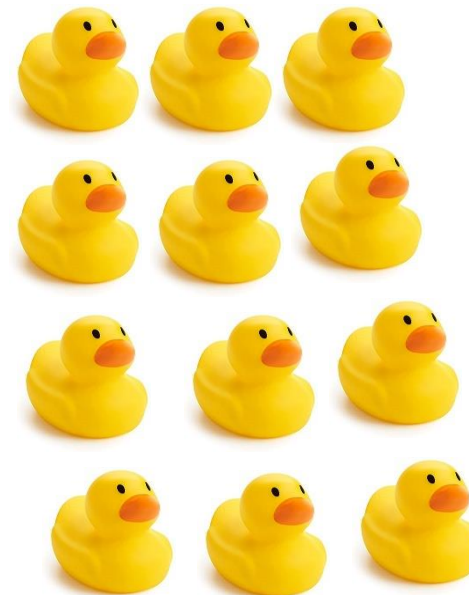


star jumps

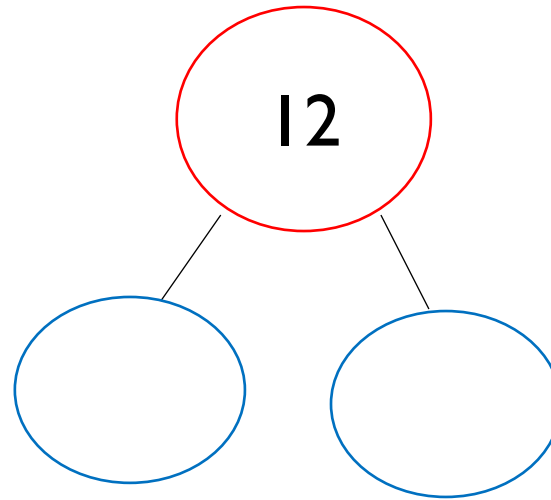


press-ups

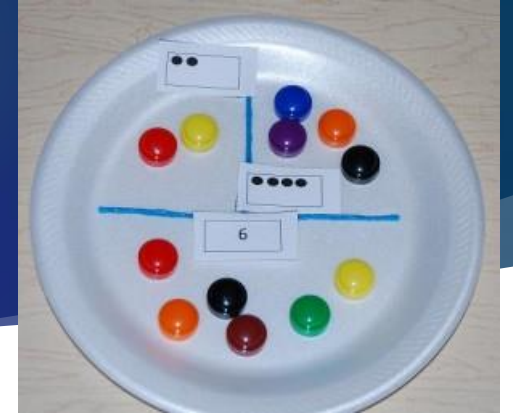
Point to 12
How do you know it's 12?



Part, Part, Whole



The **Part-whole** reasoning or **model** is the concept of how numbers can be split into parts. Children using this **model** will see the relationship between the **whole** number and the component parts, this helps learners make the connections between addition and subtraction.



When completing the Part, Part, Whole sheets in the pack-please count out 12 objects for the whole and then split the whole in to 2 parts, to find a way of making 12. For example, 10 and 2. Then put the 12 objects back together and split in to 2 parts in a different way. Can you find all the ways? Remember you can use 0 as a part!

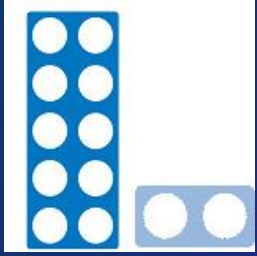
Money

Remember when we are counting up different amounts of money we need to look carefully at the value of each coin. Try and start with the biggest value coin when counting up different amounts. It's helpful to tap a two pence twice when counting up your money.



Biggest value coin
first

Tap and count on-
1, 2, 3, 4, 5



Making 12p

Use the mouse to drag the coins into the purse to explore different ways of making 12p



Adding and Subtracting

We have spent time using concrete resources, such as cubes and numicon to help the children gain a practical understanding of the concepts of adding and subtracting. We have used words such as 5 **and** 2 **is** 7 and 9 **take away** 4 **is** 5. When the children have a secure understanding of this through lots of practical activities then they are ready to move on to using abstract mathematical symbols such as $+$ $=$ $-$

The sheets provided in the All About 12 pack are for you to use with your child, at the stage they are at. Please ensure your child has grasped the concepts before moving on to using the mathematical symbols. Lots of practise using objects helps to build a secure understanding.

Solving Missing Number Problems

10 and



is

12



Put 10 in your head

11 12



Count on from 10
until you get to 12

How many fingers are you
holding up? That is the missing
number

Solving Missing Number Problems

3 and is 7



Put 3 in your head



Count on from 3
until you get to 7

How many fingers are you
holding up? That is the missing
number

Doubling

We teach the children that by doubling a number- you have twice as many.

In Foundation Stage we explore doubling in lots of fun ways using objects. To find double 6 we could put 6 objects in front of a mirror, to see twice as many. We would then count up how many we could see altogether and say double 6 is 12.

