



**Year 3**  
**Maths**  
**Wednesday 17<sup>th</sup> June 2020**



# Lesson Aims

- SC: I can find fractions of a number.
- LO: I know that the denominator (bottom number) tells me how many groups to divide into.
- I can share out the total number equally.
- I know that the numerator (top number) tells me how many groups to count up.



# Fluency Starter

- A fraction is part of a \_\_\_\_\_.
- This circle has been split into \_\_\_\_\_ equal parts.
- What fraction is the dark blue section?
- What fraction is the light blue section?





# Fluency Answers

- A fraction is part of a WHOLE
- This circle has been split into 4 equal parts.
- The dark blue section is  $\frac{1}{4}$
- The light blue section is  $\frac{3}{4}$





# Main Teaching

Today you are going to be finding fractions of a number.

To do this the denominator (bottom number) will tell you how many groups to divide into.

Share out the total number equally.

The numerator (top number) tells me how many groups to count up.

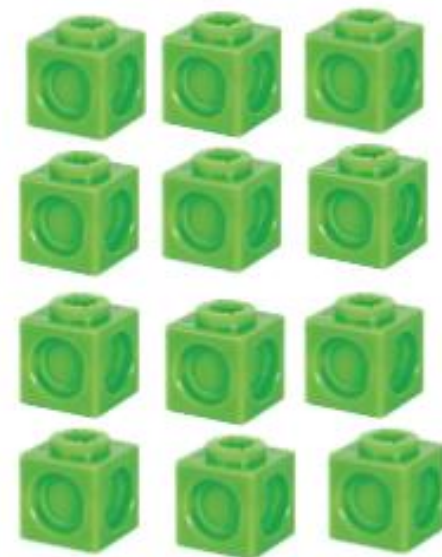
To find  $\frac{1}{4}$  of 12, you divide 12 into 4 groups, then

4

count how many are in 1 group.

The answer is 3. You might find it helpful to circle the groups.

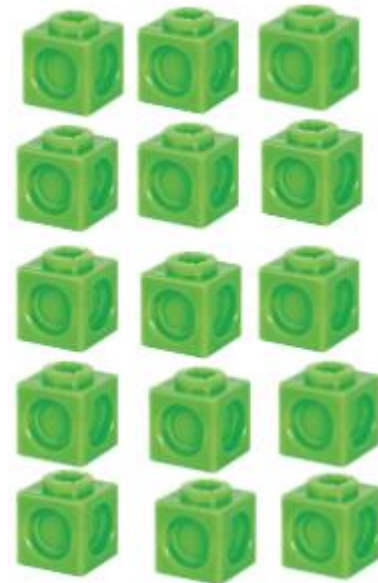
**You can also use your times table and division facts –  
 $12 \div 4 = 3$  ----- divide the number you are finding  
the fraction of by the denominator.**





# Fluency

What is  $\frac{1}{5}$  of 15?





# Fluency Answer

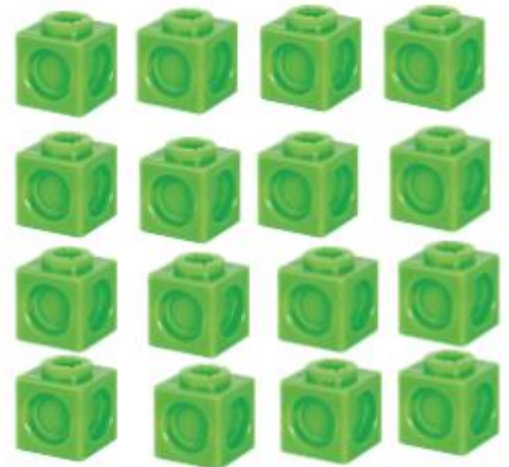
What is  $\frac{1}{5}$  of 15?    **3**





# Fluency

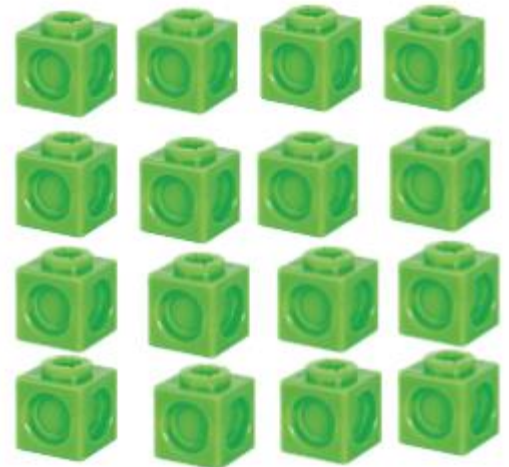
What is  $\frac{1}{4}$  of 16?





# Fluency

What is  $\frac{1}{4}$  of 16? 4





# Main Teaching

To work out  $\frac{3}{4}$  of 12, the denominator (bottom number) tells you  
4

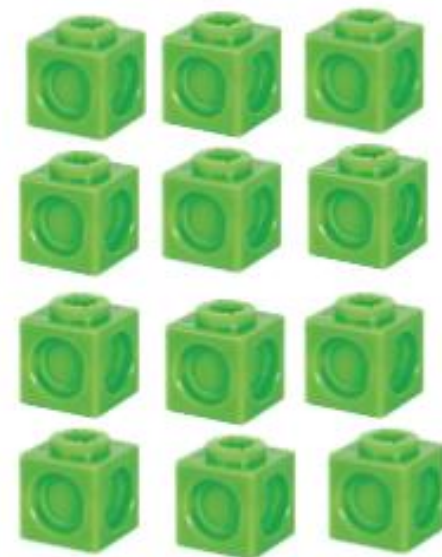
how many groups to divide into, so this would be 4. Then count how many is in 1 group. Or  $12 \div 4 = 3$

To work a non unit fraction (the numerator or top number is not 1) you multiply the answer by the numerator. So  $12 \div 4 = 3$ , then  $3 \times 3 = 9$ .

You might find it helpful to circle the groups.

**You can also use your times table and division facts –**  
 **$12 \div 4 = 3$**

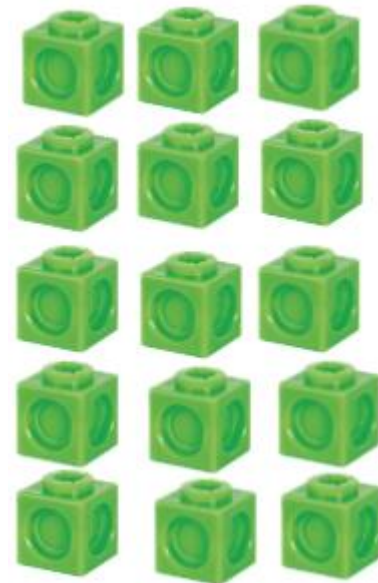
**$3 \times 3 = 9$  ----- divide the number you are finding  
the fraction of by the denominator and then multiply  
the answer by the numerator.**





# Fluency

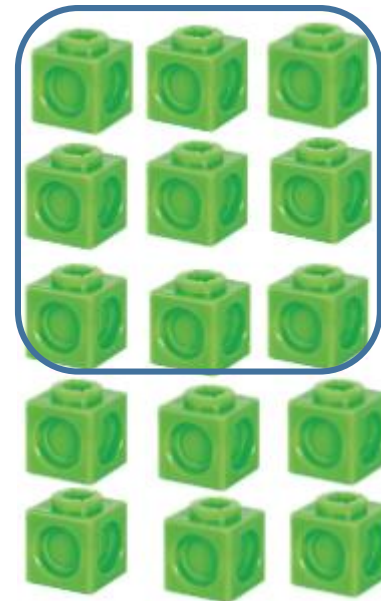
What is  $\frac{3}{5}$  of 15?





# Fluency

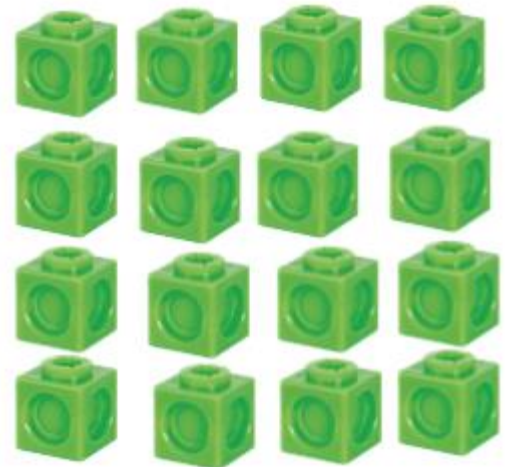
What is  $\frac{3}{5}$  of 15? **9**





# Fluency

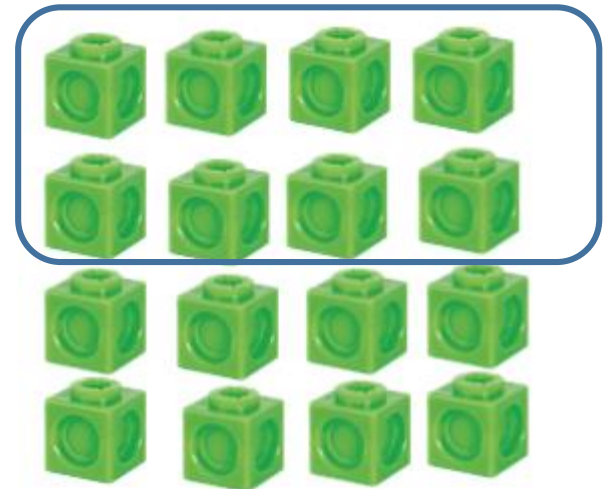
What is  $\frac{2}{4}$  of 16?





# Fluency

What is  $\frac{2}{4}$  of 16?    **8**





# Activity Answers

1)  $\frac{1}{3}$  of 18 = 6

$\frac{2}{3}$  of 18 = 12

2)  $\frac{1}{4}$  of 16 = 4

$\frac{3}{4}$  of 16 = 12

3)  $\frac{1}{5}$  of 30 = 6

$\frac{2}{5}$  of 30 = 12

4)  $\frac{1}{8}$  of 24 = 3

$\frac{2}{8}$  of 24 = 6



# Activity Answers

## Challenge

1) There are 12 hearts. What is  $\frac{1}{4}$  of this number? **3**

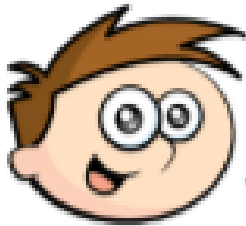
2)  $\frac{1}{3}$  of the amount of bananas is **3**

$\frac{2}{3}$  of the bananas would be **6**



# Review

Teddy says,



I have one pizza cut into 6 equal pieces. I have eaten  $\frac{6}{6}$  of the pizza.

Does Teddy have any pizza left?  
Explain your answer.



# Review Answer

Teddy has no pizza left as  $\frac{6}{6}$  is a whole.