

Hello Year 3! This week in Maths, we will be recapping division. Try and look at the related video on the home learning section of the school website if you can.

**Division Vocabulary**

dividend  
↓  
**20**

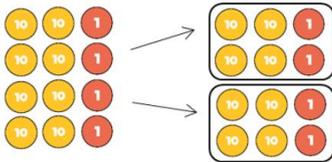
divisor  
↓  
**4**

quotient  
↓  
**= 5**

**20 ÷ 4 = 5**

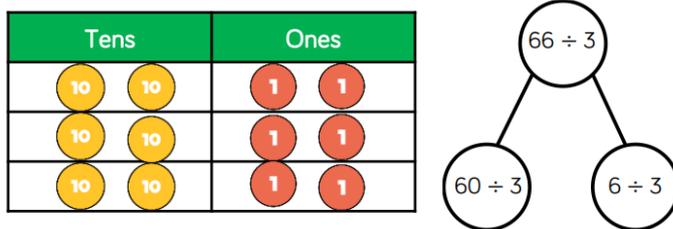
**Section 1- division**

A) We can use place value counters to solve  $84 \div 2$



Use this method to calculate:  $84 \div 4$        $66 \div 2$        $24 \div 2$

B) We can use a place value grid and a part-whole model to calculate  $66 \div 3$



Use this method to calculate:  $69 \div 3$        $96 \div 3$        $86 \div 2$

C) Bob has used place value counters to calculate  $44 \div 4$ . Is he correct? Explain.



D) Beth thinks that 88 sweets can be divided equally between eight people. Is she correct? Explain.

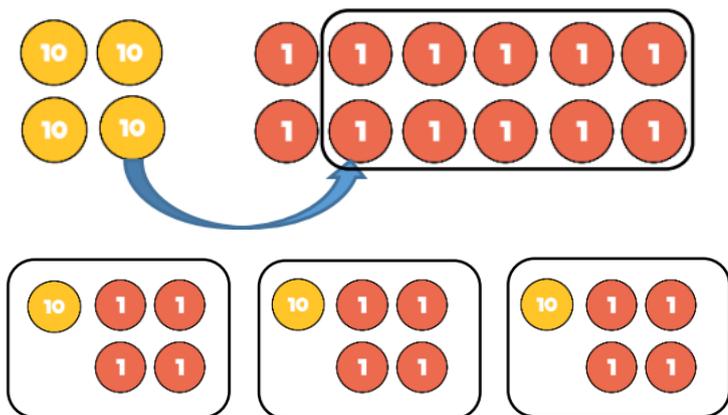
E) Bill uses place value counters to help him calculate  $63 \div 3$ . He gets an answer of 12. Is he correct? Explain.



## Section 2- division with renaming

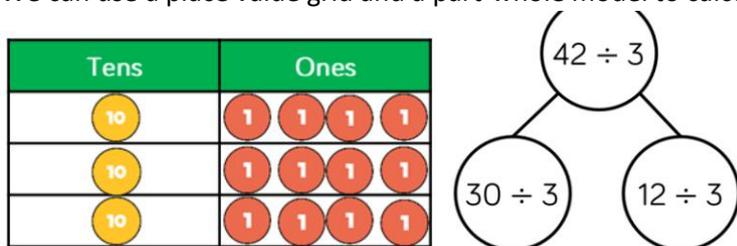
A) We can use place value counters to divide 42 in to 3 equal groups.

We share the tens first and then rename the remaining ten for ten ones. We then share the ones.



Use this method to calculate  $48 \div 3$      $52 \div 4$      $84 \div 7$ .

B) We can use a place value grid and a part-whole model to calculate  $42 \div 3$ .



Use this method to calculate:  $96 \div 8$      $96 \div 4$      $96 \div 3$

C) Why do we partition 96 in different ways for these calculations?

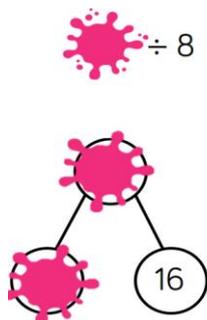
D) Compare the statements using > (greater than), < (less than) or = (equals).

$48 \div 4$  ○  $36 \div 3$

$52 \div 4$  ○  $42 \div 3$

$60 \div 3$  ○  $60 \div 4$

E) Betty partitioned a number to help her divide by 8. Some of her working out has been covered with paint. What number could Betty have started with?



**Section 3- division with remainders**

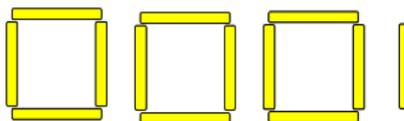
A) How many squares can you make with 13 lollipop sticks?

There are \_\_\_ lollipop sticks.

There are \_\_\_ groups of 4

There is \_\_\_ lollipop stick remaining.

$13 \div 4 = \underline{\quad} \text{ remainder } \underline{\quad}$

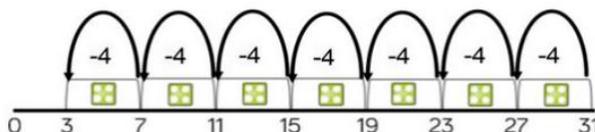


Use this method to see how many triangles you can make with 38 lollipop sticks.

B) We can use repeated subtraction to solve  $31 \div 4$

$31 \div 4 = 7 \text{ r } 3$

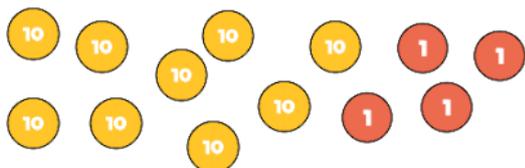
Use this method to solve 38 divided by 3.



C) Use place value counters to work out  $94 \div 4$

Did you need to rename any tens for ones?

Is there a remainder?



Tens	Ones

D) Which calculation is the odd one out? Explain your thinking.

$64 \div 8$

$77 \div 4$

$49 \div 6$

$65 \div 3$

E) Bella has 15 stickers.

She sorts her stickers into equal groups but has some stickers remaining.

How many stickers could be in each group and how many stickers could be remaining?

