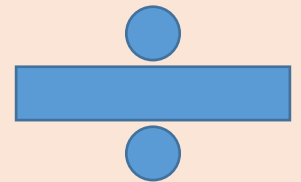
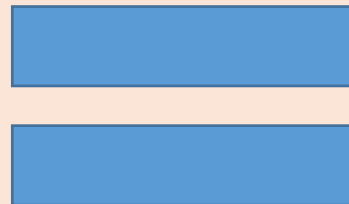


Year 2

Maths

W.B 11.05.20



# Day 1 – Division using arrays.

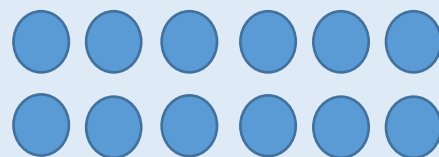
## Steps to Success

1. Read the calculation as 'How many groups of?

2. Draw groups of the second number until you have the first number in total.

3. Count how many groups you have

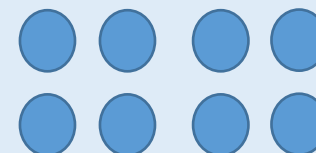
$12 \div 2$  means how many groups of 2 make 12?



6 groups of 2 make 12 so  $12 \div 2 = 6$

Here are some more examples of arrays.

8 divided by 2 = 4 because 4 groups of 2 makes 8.



6 divided by 3 = 2 because 2 groups of 3 makes 6.



# Day 1 – Division using arrays.

## Task 1)

Draw arrays to solve/show the calculations below.

Apples can be sold in packs of 10  
How many packs can be made below?



$$12 \div 2 =$$

$$10 \div 5 =$$

$$30 \div 10 =$$

$$16 \div 2 =$$

$$40 \div 10 =$$

I have 24p in 2p coins. How many 2p coins do I have?

Finding this a little tricky? Let's focus on making equal groups.

Pencils come in packs of 20  
We need to put 5 in each pot.  
How many pots will we need?



There are \_\_\_ pencils altogether.  
There are \_\_\_ pencils in each pot.  
There are \_\_\_ pots.

Mrs Green has 18 sweets.  
She puts 3 sweets in each bag.  
How many bags can she fill?

18



## Challenge

You have 30 counters.



How many different ways can you put them into equal groups?

Write down all the possible ways.

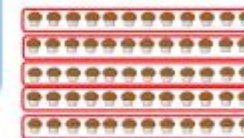
Finding this easy? Have a go at the challenge below.

Cakes are sold in boxes of 10  
Jack and Alex are trying to pack these cakes into boxes.



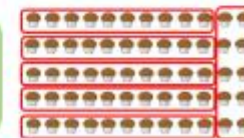
Jack says,

There are 5 groups of 10



Alex says,

There are 6 groups of 10



Who is correct? Explain how you know.

# Day 2 - Division

## Steps to Success

1. Read the calculation as 'how many groups of?'
2. Count in steps of the second number until you get to the first number.
3. The amount of groups of ten you have counted is the answer.

$$40 \div 10 =$$

How many groups of 10 make 40?

I need to count in 10s until I get to 40.

10, 20, 30, 40

I have added ten 4 times. This means that 4 groups of 10 makes 40 so  $40 \div 10 = 4$

$6 \div 2 = 3$  because I counted in 2s, 3 times to get to 6.

2, 4, 6.

50 divided by 10 = 5 because I counted in 10s 5 times to get to 50.

10, 20, 30, 40, 50

## Day 2- Multiplication

### Task 1)

Count in steps of 2, 5 or 10 to solve the following calculations. You may want to draw arrays to help you.

$14 \div 2 =$

$20 \div 5 =$

$60 \div 10 =$

$24 \div 2 =$

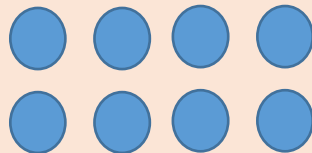
$30 \div 10 =$

Fill in the missing numbers.

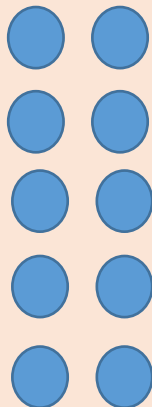
- $70 \div 10 = \underline{\quad}$
- $6 \text{ tens} \div 1 \text{ ten} = \underline{\quad}$
- $5 = \underline{\quad} \div 10$
- There are  $\underline{\quad}$  tens in 40

Finding this a little tricky? Let's use arrays to help us.

$8 \div 2 =$



$10 \div 5 =$



Now draw your own arrays for the calculations below.

$30 \div 10 =$

$15 \div 5 =$

$12 \div 2 =$

Finding this easy? Have a go at the challenge below.

Use the number cards to make multiplication and division sentences.

How many can you make?



## Day 3- Division problem solving.

Here are some problems to apply your knowledge of division to! These problems have different levels of difficulty so choose which ones you think you can do. The easiest problems are on the left and the harder ones are on the right.

Tommy and Jack each have the same number of sweets.



Tommy has 5 equal groups of 2  
Jack has 1 equal group.  
How many sweets are in Jack's group?

A party bag contains 5 sweets.  
A jar contains 5 party bags.



Ron has 75 sweets.  
How many party bags will he need?  
How many jars will he need?

I am thinking of a number between 20 and 30

I can only make equal groups of 5

What must my number be?

What happens when I try to make groups of 2 with it?

What happens when I try to make groups of 10 with it?

Sarah groups her counters into groups of 5. She has 6 groups.

Annie has grouped her counters into groups of 2. She has 15 groups.

How has more counters and by how many?

How did you work it out?

Amir has some counters.  
He makes 5 equal groups.



The amount he started with is greater than 10 but less than 35

How many counters could he have started with?

How many will be in each group?