

Maths

This week our focus times table is: 2 x table

Can you say the whole 2x table? Can you write it?

Challenge: Have someone quiz you to see if you can remember the facts out of order (eg 2x3, 2x5, 2 x10)

Purple Mash –2x – multiplication monster

This week we will be practising division. We are going to learn how to divide 2 different ways: by grouping and finding half

Monday – division by grouping

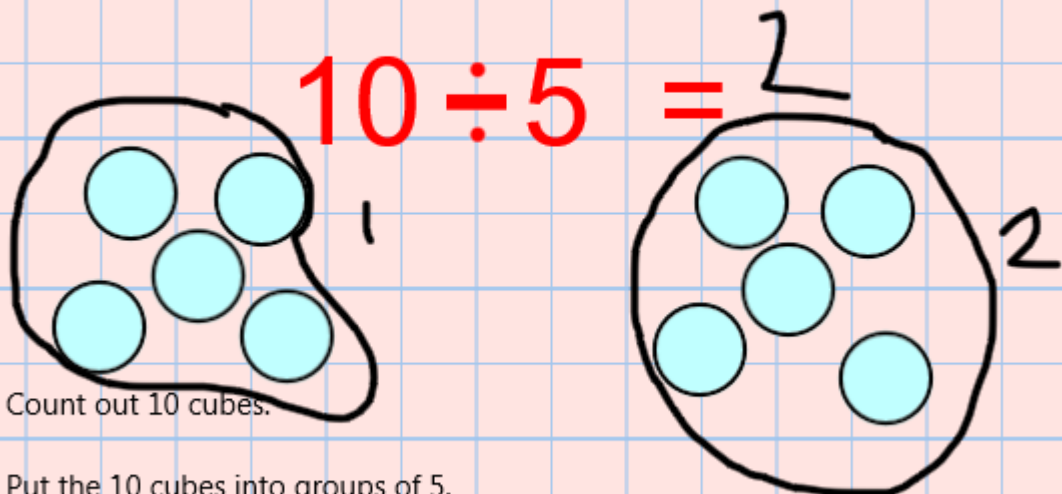
Count out 4 cubes.

Put the 4 cubes into groups of 2.

Count how many groups there are.

We can use grouping to help us find the answer.

We do this by putting the cubes into groups.



$10 \div 5 = 2$

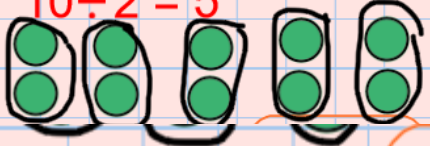
Count out 10 cubes.

Put the 10 cubes into groups of 5.

Count how many groups there are.

Try these division questions. You can use pennies, pasta, lego or anything else that is the same size.

$10 \div 2 = 5$



Red

$4 \div 2 =$

$6 \div 2 =$

$8 \div 2 =$

$10 \div 5 =$

$12 \div 2 =$

Orange

$15 \div 5 =$


$14 \div 2 =$

$16 \div 2 =$

$18 \div 2 =$

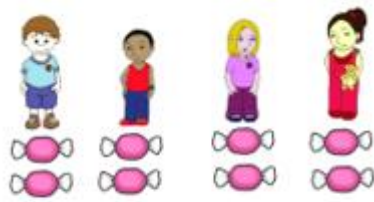
$20 \div 5 =$

Green



Can you write the calculation to go with this picture?

Green



Adults can take 5 children each to the cinema in their cars. If 40 children are going to the cinema, how many cars are needed to take them?

Can you write the calculation to go with this picture?



I can see 20 eyes. How many people can I see?

I bake 50 buns. If I put 5 in each bag for my cake stall, how many bags will I fill?



I can see 18 hands. How many people can I see?



Reasoning

There are 10 cakes and 2 boxes.

An equal amount needs to be put into each box.



Put them into groups of 2

Jack



Share them into 2 groups.

Eva

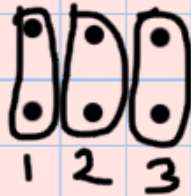
Who is correct?

Explain your answer.

Tuesday – division by grouping – drawing

We can use drawings to help us put numbers into groups.

$$6 \div 2 = 3$$



Say the total. 6

Draw groups of 2 dots.





When we have drawn 6 dots in groups of 2 **stop**.

Count how many groups of 2 there are.

Answer these division questions in your book. Draw your groups and then circle them to find the answer.

Green

Complete the table. Use equipment to help you.

Representation	Description
	There are ___ altogether. There are ___ equal groups of ___
	There are ___ altogether. There are ___ equal groups of ___
	15 has been sorted into 3 equal groups of 5
	___ has been sorted into ___ equal groups of ___

z

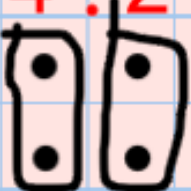
Reasoning

Wednesday – division by grouping

Keep practicing dividing by making groups like we have been learning.

Solve these division number sentences. You can either make them or draw them.

$4 \div 2 = 2$



Red

$8 \div 2 =$
 $10 \div 2 =$
 $12 \div 2 =$
 $10 \div 5 =$
 $15 \div 5 =$

Orange

$5 \div 5 =$
 $20 \div 5 =$
 $16 \div 2 =$
 $20 \div 2 =$
 $25 \div 5 =$

Green

Take 20 cubes. Complete the sentences.
 I can make ___ equal groups of 2
 I can make ___ equal groups of 5
 I can make ___ equal groups of 10

Take 20 cubes. Complete the sentences.

I can make ____ equal groups of 2

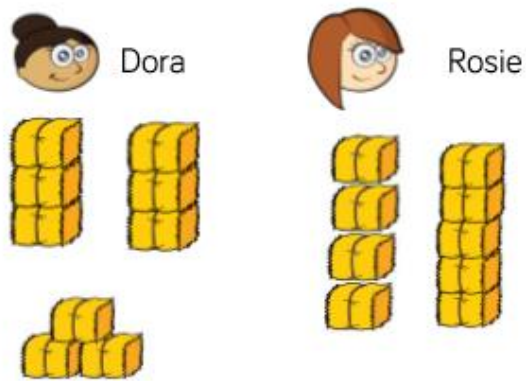
I can make ____ equal groups of 5

I can make ____ equal groups of 10

Reasoning

Dora and Rosie are making hay bundles.

Who has made equal groups?



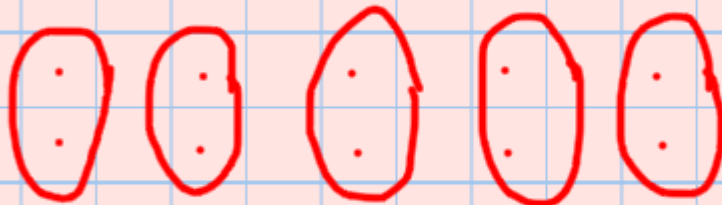
Explain how you know.

Thursday – division word problems

We can use drawings to help us solve division word problems.

There are 10 cats. 2 cats go to each house. How many houses get cats?

$$10 \div 2 = 5$$



Read the word problem.

Circle the important information.

Write the division number sentence.

Draw equal groups.

Count up how many groups you have made.

Try these in your maths home learning book.

Red

There are 8 cats. 2 cats go in each cage. How many cages do you need?

There are 10 pens. Each child gets 2 pens. How many children get pens?

There are 6 stickers. Each child gets 2 stickers. How many children get stickers?

There are 12 dogs. Each flat gets 2 dogs. How many flats get dogs?

There are 10 sweets. Each child gets 5 sweets. How many children get sweets?

Orange

There are 18 cats. 2 cats go in each cage. How many cages do we need?

There are 16 pens. Each child gets 2 pens. How many children get pens?

There are 20 stickers. Each child gets 5 stickers. How many children get stickers?

There are 15 bunnies. Each cage holds 5 bunnies. How many cages do we need?

There are 20 sweets. Each child gets 2 sweets. How many children get sweets?

There are 25 people. Each car holds 5 people. How many cars do we need?

Green

Each child gets 2 sweets. There are 10 sweets. Do we have enough sweets for 6 people?

Each cage holds 5 birds. We have 20 birds. Will we need 3 cages?

There are 25 stickers. Each child gets 5 stickers. Do we have enough stickers for 5 children?

Reasoning

Bob says "I have 14 birds. Each cage holds 2 birds. I will need 6 cages." Is he right? Prove it.

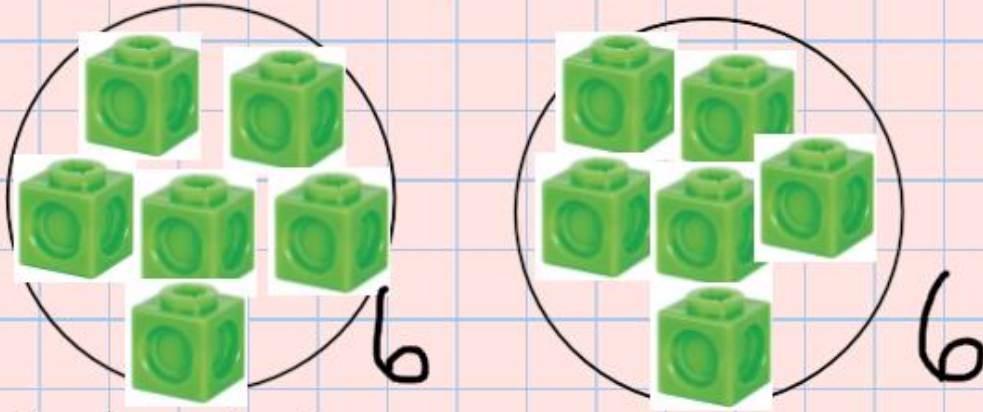
Friday – making half – practical

Teacher models new learning

Find half of 12. Half means divide by 2.



$$12 \div 2 = 6$$



Say the total. 12

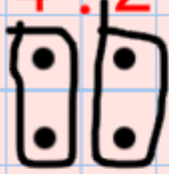
Draw 2 circles

Share out the cubes between the 2 groups

Half is how many are in one circle

Try these division questions. You can use pennies, pasta, lego or anything else that is the same size.

$$4 \div 2 = 2 \quad \text{Half of 4 is 2.}$$



Red

Half of 2 is

Half of 4 is

Half of 6 is

Half of 8 is

Half of 10 is

Orange

Half of 12 is

Half of 16 is

Half of 20 is

Half of 14 is

Half of 18 is

Green - write the
division sentence
to match the
orange questions