Year 1 maths – Summer 1 Week beginning: 11.5.20

Theme	Grouping equally	Grouping equally	Sharing equally	Sharing equally	Consolidation
Factual fluency (to aid fluency)	Select + and – then up to 20	https://www.ictgames.com/mobilePage/doggyDivision/index.html	https://pbskids.org/curiousgeorge/busyday/dogs/	Choose level 1 > Ordering > Numbers up to 20	select doubles and then doubles to 10
Problem/ activity of the day **Remember, just like in class, you can still show the depth of your knowledge LINK**	(Lesson 1 resources below) **MAKING LINKS:** Last week we learnt about equal groups. Equal groups have the same amount in each group. **THINK: (support below)** Grouping equally is when you know how many are in each group but you don't know how many groups you have. Can you help me with this problem? My friend needs to equally group 8 eggs. He wants them to be in groups of two. How many groups will they have? Finished? Talk about what you have just done with someone. **SEE: (model below)** SEE model below **DO:** Use what you have learnt today to solve the problems below.	(Lesson 2 resources below) **MAKING LINKS:** Last week we learnt about equal groups. Equal groups have the same amount in each group. **THINK: (support below)** Grouping equally is when you know how many are in each group but you don't know how many groups you have. Can you help me with this problem? My friend needs to equally group 18 pieces of pasta. He wants them to be in groups of three. How many groups will they have? Finished? You've tried grouping in three, is it possible to group in fours, fives, sixes, sevens… **SEE: (model below)** SEE model below. **DO:** Use what you have learnt today to solve the problems below.	(Lesson 3 resources below) **MAKING LINKS:** We will be revisiting play strategies to understand how many items go into each group by sharing equally. **THINK: (support below)** Sharing equally is when you know how many groups you have and you are trying to work out how many is in one group. Can you help me with this problem? My friend has 6 pieces of chocolate to share with 3 friends. How many pieces of chocolate will each friend get? Finished? Discuss why it is important to share equally with someone. **SEE: (model below)** SEE model below **DO:** Use what you have learnt today to solve the problems below.	(Lesson 4 resources below) **MAKING LINKS** We will be revisiting play strategies to understand how many items go into each group by sharing equally. **THINK: (support below)** Sharing equally is when you know how many groups you have and you are trying to work out how many is in one group. Can you help me with this problem? My friend has 12 pieces of bread to share with 3 friends. How many pieces of bread will each friend get? Finished? Show someone the difference between grouping equally and sharing equally. **SEE: (model below)** SEE model below **DO:** Use what you have learnt today to solve the problems below.	(Lesson 5 resources below) **MAKING LINKS:** This week we have been grouping and sharing equally. Last week we looked at understanding word problems. **THINK: (support below)** Can you help me with this problem? I have 10 sweets that I would like to share with my 5 friends. How many sweets will each friend get? Finished? Talk to someone about this question. Was it a grouping equally or sharing equally questions? **SEE: (model below)** SEE model below **DO:** Use what you have learnt today to solve the problems below.
Methods, tips, clues & checks	Count each group to check	See answer sheet below	Count each group to check	See answer sheet below	See answer sheet below

See below for resources to support you to THINK-SEE-DO

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THINK:

SEE:

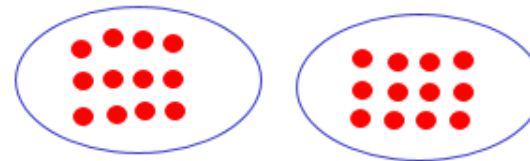| Group1	Group 2
Group 3	Group 4

There are 4 groups of 2.

DO:

Make 24 counters or use 24 objects (pasta, Lego, etc.)

Get some plates (pots or bowls) or make plates out of paper by drawing large circles.

1. Put 3 counters on each plate. How many plates did you need?

2. How many different ways can you make equal groups with your 24 counters?

3. Make equal groups of different numbers of counters.

4. Draw and write to show the groups you have made.

Example:
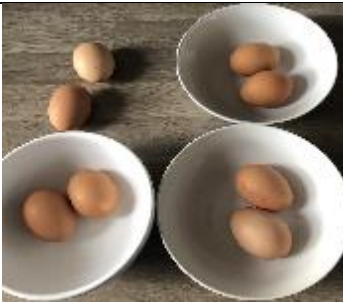
There are 24 counters.
There are 2 plates of 12 counters.

Challenge:

How did you know when you had found all the ways to make equal groups with 24 counters?

Why did some ways not work?

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THINK:

SEE:

Group 1	Group 2	Group 3

Group 4	Group 5	Group 6

There are 6 groups of 3.

DO:

Draw books to solve this problem.

There are 12 books.
Circle groups of 2.

There are ☐ groups of 2 books.

Draw apples to solve this problem.

There are 20 apples.
Circle groups of 5.

There are ☐ groups of 5 apples.

Draw and circle equal groups to solve this problem.

A shop keeper had 15 bananas. They put 3 bananas in each bag. How many bags do they need?

They need ☐ bags.

Draw and circle equal groups to solve this problem.

8 toys can be put on a shelf. Sam has 16 toys.
How many shelves does Sam need to hold all his toys?

Sam needs ☐ shelves.

Challenge:
Write your own division word problems for a friend to solve.

Example: A zookeeper had 20 snakes. They put 2 snakes in each cage. How many cages did the zookeeper need?

Show your friend how you would solve the problem. How many different ways can you solve your problem?

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THINK:

SEE:

Share 1 chocolate at a time into each group

When you have no chocolates left to share count how many are in one bowl.

There are 3 groups of 2

DO:

Make 20 counters out of paper or use any object (pasta, Lego etc.).

Get some plates (pots or bowls) or make plates out of paper by drawing large circles.

1. Put 20 counters equally on 5 plates. How many counters are on each plate?

2. Can you put 18 counters into 5 equal groups? Why or why not?

3. Complete 1 and 2 using different amounts of counters and plates.

4. Write down your findings:

Number of plates	Number of counters	Can they be shared equally?
5	15	yes
3	15	
2	17	

Challenge:

Why can these numbers not be shared between 2 plates?

7, 15, 13

Are there more numbers that cannot be shared between 2 plates?

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THINK:

SEE:

Share 1 piece of bread to each plate. Share another piece of bread onto each plate.

Keep sharing one piece at a time until all the pieces are used.

There are 3 groups of 4.

DO:

Write the missing numbers.

There ☐ are flowers in all.

There ☐ are vases.

There ☐ are flowers in each vase.

Draw to complete the groups.

There are 6 cookies.
Put them equally onto 2 trays.
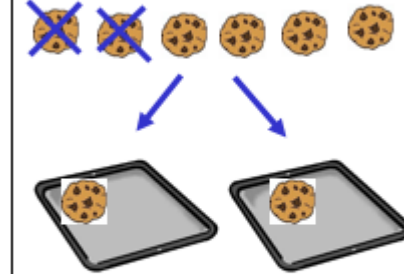
There are ☐ cookies on each tray.

Draw to solve this problem. Put 9 straws into 3 drinks.

There are ☐ straws in each drink.

Emma has 10 sweets. She puts an equal number of sweets in 2 jars.
How many sweets are there in each jar?
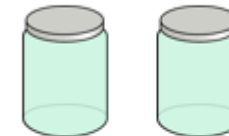
There are ☐ sweets in each jar.

Challenge:

My friend has 12 grapes and some bowls. How many different ways could my friend make equal groups of grapes?

Show your understanding in as many different ways as you can.

THINK:
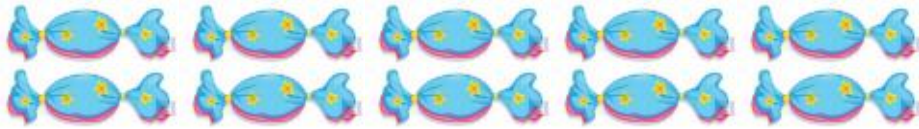
SEE:

I started by giving them all one each.

Charlotte	Natasha	Luke	Emily	Shannen

I still had 5 left over so I gave away one more each

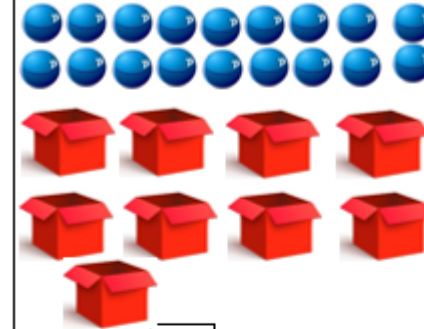| Charlotte	Natasha	Luke	Emily	Shannen

There are 5 groups of 2.

DO:

There are 18 strawberries.
Draw and circle groups of 6.

There are [ ] groups of 6 strawberries.

Draw to show equal groups.
Ben has 18 marbles.
He shares them equally into 9 boxes.

There are [ ] marbles in each box.

Draw to solve this problem.

There are [ ] buttons altogether.

I can make [ ] groups of 3 buttons.

I can make [ ] groups of 4 buttons.

I can make [ ] groups of 2 buttons.

I can make [ ] groups of 6 buttons.

Jen is decorating 4 cupcakes.
She shares 16 cherries equally.
How many cherries will be on each cupcake?
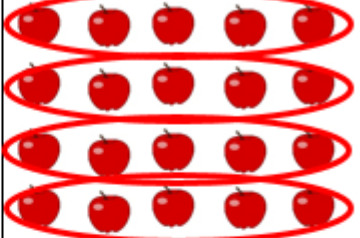
Each cupcake has [ ] cherries on top.

Challenge:

My friend says that you can use this sign ÷ for the questions above. Is my friend right?
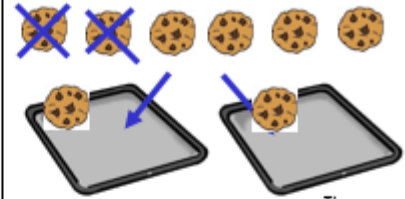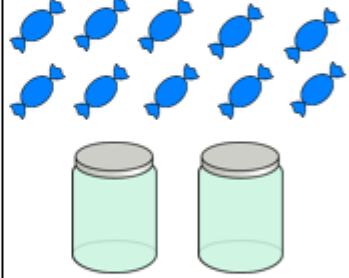
What does this sign mean?

Show how you would use this sign.

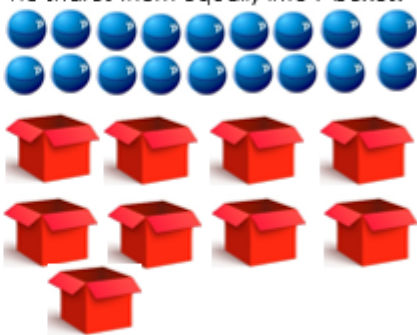Quality First Education Trust

Draw 12 books to solve this problem.

There are 12 books.
Circle groups of 2.

There are **6** groups of 2 books.

Draw apples to solve this problem.

There are 20 apples.
Circle groups of 5.

There **4** are groups of 5 apples.

Draw and circle equal groups to solve this problem.

A shop keeper had 15 bananas. They put 3 bananas in each bag. How many bags do they need?

They **5** need bags.

Draw and circle equal groups to solve this problem.

8 toys can be put on a shelf. Sam has 16 toys. How many shelves does Sam need to hold all his toys?

Sam needs **2** shelves.

Challenge:

Write your own division word problems for a friend to solve.

Example: A zookeeper had 20 snakes. They put 2 snakes in each cage. How many cages did the zookeeper need?

Show your friend how you would solve the problem. How many different ways can you solve your problem?

Write the missing numbers.

There are **9** flowers in all.

There are **3** vases.

There are **3** flowers in each vase.

Draw to complete the groups.

There are 6 cookies.
Put them equally onto 2 trays.

cookies on **3** each tray. There are

Draw to solve this problem. Put 9 straws into 3 drinks.

There are **3** straws in each drink.

Emma has 10 sweets. She puts an equal number of sweets in 2 jars. How many sweets are there in each jar?

There are **5** sweets in each jar.

Challenge:

My friend has 12 grapes and some bowls. How many different ways could my friend make equal groups of grapes?

2 bowls of 6. 4 bowls of 3. 12 bowls of 1. 3 bowls of 4. 6 bowls of 2

Show your understanding in as many different ways as you can.

Answers activity 5

There are 18 strawberries.
Draw and circle groups of 6.

There are ⬚ 3 groups of 6 strawberries.

Draw to show equal groups.
Ben has 18 marbles.
He shares them equally into 9 boxes.

There are ⬚ 2 marbles in each box.

Draw to solve this problem.

There are ⬚ 12 buttons altogether.

I can make ⬚ 4 groups of 3 buttons.

I can make ⬚ 3 groups of 4 buttons.

I can make ⬚ 6 groups of 2 buttons.

I can make ⬚ 2 groups of 6 buttons.

Jen is decorating 4 cupcakes.
She shares 16 cherries equally.
How many cherries will be on each cupcake?

Each cupcake has ⬚ 4 cherries on top.

Challenge:

My friend says that you can use this sign ÷ for the questions above. Is my friend right?

What does this sign mean?

Show how you would use this sign.