

F-2: REMOTE MATHS

EDITION 5

MULTIPLICATIVE - ARRAYS AND SKIP COUNTING

Mathematical language: Multiplication, arrays, add, altogether, answer, combine, count on, equal, how many, plus, sum, total, repeated addition, basic facts.

TASK 1: RAINBOWS

Many families and local communities are displaying rainbows in their front windows during COVID-19 to help brighten childrens' days.

- Go for a walk in your neighbourhood and count how many rainbows you can find.
- If each rainbow had seven coloured arches, how many arches did you find in your neighbourhood? (note the image of the rainbow here has 6 arches)
- Draw and record how many arches you found.



Enabling prompt: What if you saw 3 rainbows? Draw each of the rainbows and count how many arches there are.

TASK 2: TEDDY BEARS

Also appearing in many neighbourhood windows are teddy bears (two legs) and unicorns (four legs).

If you saw 24 legs altogether:

- How many were teddy bears?
- How many were unicorns?

Enabling prompt: How many combinations of teddies and unicorns could you make with 16 legs?

Extending prompt: Show your working out two ways.



EDITION 5: ARRAYS AND SKIP COUNTING (CONT.)

TASK 3: ONE HUNGRY CAT

Listen and watch the story One Hungry Cat by Rowan Barnes-Murphy <https://bit.ly/2zEfTb7>

- Draw a picture of your family sharing two dozen (24) cookies
- How many cookies would each of your family members get each?
- Draw a picture of your family sharing one cake
- What fraction of the cake would each of you get?

Extending prompt: Bake a batch of cookies and share them equally amongst your family.

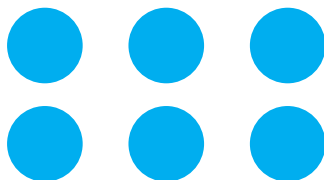
TASK 4: ARRAY HUNT

An array is an arrangement of objects in rows and columns. They help to solve multiplication and repeated addition problems. The chocolate box image above is an array that shows 16 chocolates in 4 rows of 4.

This array below shows an array of 2 rows of 3 circles.

- Have a hunt around your house to discover arrays.
- Draw or take photos of the arrays you find.
- Describe the arrays using rows of

Extending prompt: Record the arrays you found using the expression 'rows of'.



TASK 5: CHOCOLATE BOX

Chocolates are often laid out in an array like this one. Work out how many chocolates would have fit in this box without counting by 1's.

- Draw and record how you did it.
- How many different ways can you work out how many chocolates were in this box. Record as many ideas as you can.

Extending prompt: If you needed a box for 24 chocolates, how many different box designs could you come up with?



READ AND INTERPRET GRAPHS/DISPLAYS

Mathematical language: More, count, data, display, different, fewer, list, pictograph, represent, same, most and least popular, most and least common.

TASK 1: WHAT IS A MONSTER'S FAVOURITE FOOD?

Watch this video from ABC <https://education.abc.net.au/home#!/media/29610/>

- What is the most popular food for the restaurant?
- What is the least popular food for the restaurant?
- **Extending prompt:** Create a graph to represent your families favourite foods. What is the most popular favourite food?

TASK 2: WHAT COLOURS ARE YOUR SHOES?

Collect all your shoes and group them into similar colours (for example all of the blacks together). Take a photo or draw a picture of them.

- What colour shoe do you have the most of?
- What colour shoe do you have the least of?

Now group your shoes into similar material types (for example shiny, leather or soft).

- What type of material is most commonly used?
- What type of material is least commonly used?

Extending prompts: Sort all of your family's shoes into colour and then materials. Take a photo

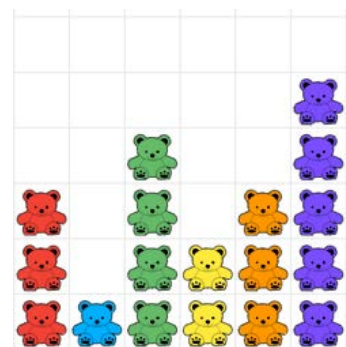
- What is the most and least popular colour?
- What are the most and least common materials used?



TASK 3: TEDDY BEARS

Here is a graph that a group of children made.

- What could the graph be about?
- Write down three things that you notice about this graph.



EDITION 5: GRAPHS/DISPLAYS(CONT.)

TASK 4: FAMILIES FAVOURITE FOODS

- Cut an A4 page up into 8 pieces
- On each piece draw and label each of your favourite food
- Each of your family members should do the same.

Sort the favourite foods into groups for example

- Hot or cold foods
- Snacks or meals
- Homemade, store bough or from a restaurant
- Healthy items of junk food

TASK 5: DRAW THIS GRAPH

On a graph about pets owned by students in a Year 1 class, there were two more dogs than cats. What might the graph look like? Draw it.

Extending prompt: What if on the same graph it showed

- Birds as the least owned pet.
- 2 more people had fish than birds.

MATHS APP OF THE WEEK: DRAGONBOX



DragonBox Numbers brings math to life by turning numbers into colourful and relatable characters, called Nooms. The Nooms can be stacked, sliced, combined, sorted, compared and played with, any way your child pleases.

The app contains 4 different activities for your child to explore, each designed to challenge your child to use the Nooms and basic math in a different way.

Google Play

<https://play.google.com/store/apps/details?id=com.wewanttoknow.Numbers>

iOS

<https://apps.apple.com/au/app/dragonbox-numbers/id1005050125>

Look out for more tasks next week!