Y2 Learning at home activity sheet #3

Problem 1:

Mum had $6 and shared it equally between her three children. The children got two coins each. What were these coins?

Problem 2:

Mum got 10 text messages altogether on Monday and Tuesday. How many texts could she have received on each day?

Problem 3:

Mum makes sandwiches for Alex and Beth for their school lunches. Alex likes his bread cut into four small square sandwiches and Beth prefers hers in four triangles.

Are Beth's sandwiches bigger than Alex's, smaller than Alex's or the same size?

Who gets the most crust on each of their sandwiches?
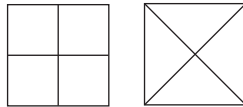
Project:

Draw a map of your kitchen. Make it as accurate as you can. Include doors and windows, and the fridge, the oven and the sink.

Hide something somewhere in the kitchen, mark where on the map and see if a family member can find it!

Which holds the most?

Find two different cups or glasses. Which one do you think holds the most liquid? Pour water from one to the other to check.

Find a large bowl. How many cups of water do you think it will take to fill the bowl?

Check with each cup. Did it take the same number of each cup to fill the bowl? Why or why not?

Pattern challenge:

Draw or describe what will come next in each pattern.

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1 2 3 1 2 3 1 2 3

Make up some patterns of your own, and challenge a family member to continue them.

nzmaths.

Complete the fact families:

4 – 2 = ☐	8 – 4 = ☐
2 + ☐ = 4	4 + ☐ = 8
6 – 3 = ☐	10 – 5 = ☐
6 – ☐ = 3	10 – ☐ = 2

Write in the missing numbers:

1		3	4			7	8	9	10
	12	13	14	15	16	17	18	19	20
21		23	24	25	26	27	28	29	
31	32	33	34	35	36		38	39	40
41		43	44	45	46	47	48		50
	52		54		56	57	58	59	60
61	62	63		65	66	67		69	
71		73	74	75		77	78	79	80
81	82		84	85	86	87	88	89	90
	92	93		95	96		98		100

Follow the instructions below:

1. What fraction of this shape is shaded?
2. Draw as many different shapes as you can and shade the same fraction of each.

nzmaths.
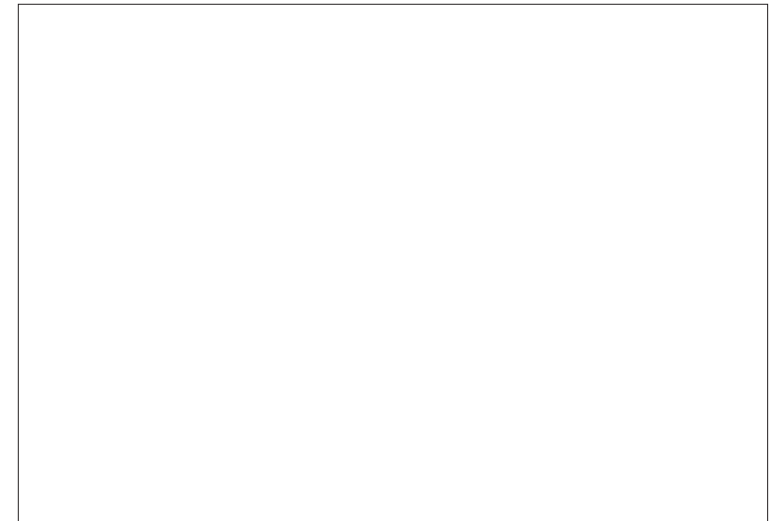
Learning at home: Notes for whānau

When your child finishes each activity, ask them to add a mouth to the face to show how they felt about that activity.

Problem 1:

$6 shared between three children means that each child gets $2.

The only way to make $2 from two coins is two $1 coins.

Problem 2:

There are lots of solutions to this problem. If she got 10 text messages on Monday then she got none on Tuesday, if she got 9 on Monday, then she got 1 on Tuesday, etc.

You may want to help your child make a table of all the possible solutions

Monday	Tuesday
10	0
9	1
8	2
7	3
6	4
5	5
4	6
3	7
2	8
1	9
0	10

Problem 3:

It may seem like one shape is bigger than the other, but either way of cutting the sandwiches makes four equal quarters, so the pieces are the same size.

The same is true for the crusts, each piece has quarter of the total crust. The triangle pieces have one whole side of a piece of bread, while the square ones have two half sides.

Which holds the most?

Help your child find two cups. Try to make sure that they are different sizes.
Discuss with them why you need less lots of a bigger cup to fill the bowl than you do for the smaller cup.

Project:

You may need to help your child with their map.
Ask them to think about the shape of the kitchen first, and draw that.
Then add doors and windows.
Ask them where the fridge, the oven and the sink go on the map.
Challenge them to add more detail to their map.

Pattern challenge:

The next items in the patterns are shown below.

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1 2 3 1 2 3 1 2 3 1 2 3