Y2 Learning at home activity sheet #1

Problem 1:

Sarah has two skirts and two tops to choose from.
How many different outfits can she make?

Problem 2:

Can you fold a square of paper to make it look like each of these designs?

1   2   3   4
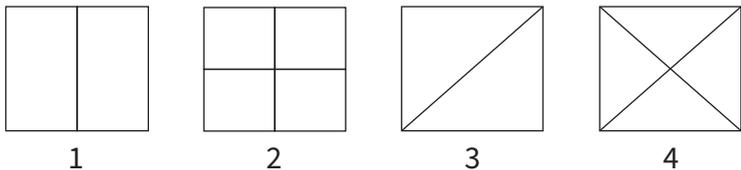
Problem 3:

If I have $5, and I only have $2 and $1 coins, what coins might I have?

Project: Finding shapes

Look for these shapes around your home. Draw a picture of as many as you can find. You might be able to find more than one for some of the shapes.

Square   Rectangle   Circle   Triangle

Measuring challenge:

Your handspan is the distance from the tip of your little finger to the tip of your thumb when you spread them as far as you can.
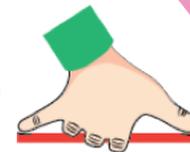
1. Find 5 things that measure about 1 handspan.
2. How many handspans wide is your bedroom door?
3. How many handspans high is your bed?
4. Find 5 more things to measure. Draw them and write how many handspans they measure.

Pattern challenge:

Draw or describe what will come next in each pattern.

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

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Write in the missing numbers:

1	2	3		5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	
21	22		24	25	26	27	28		30
31	32	33	34		36	37	38	39	40
	42	43	44	45		47	48	49	50
51	52		54	55	56	57		59	60
61	62	63	64	65	66	67	68	69	
71		73	74	75	76	77	78	79	80
81	82	83	84	85	86		88	89	90
91	92	93		95	96	97	98		100

Complete the fact families:

$3 + 2 = \square$
$2 + \square = 5$
$5 - 3 = \square$
$5 - \square = 3$

$4 + 1 = \square$
$1 + \square = 5$
$5 - 4 = \square$
$5 - \square = 1$

Follow the instructions below:

1. Draw 10 copies of the same shape in the box below. You might like to draw circles, or you may prefer to draw something more interesting, like stars or butterflies.
2. Colour half of your shapes red. How many shapes are red?
3. Colour 3 of the remaining shapes blue.
4. How many shapes are not coloured in yet? Colour them in a different colour.

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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:

For each of the skirts there are two tops that Sarah could choose. So the total number of outfits that Sarah can make is 2 x 2, which is 4 outfits. Your child will most likely use trial and error to solve this problem. You may wish to encourage them to draw lines to match the items that could form outfits. They should see that there are 4 lines they can draw on the picture.

Problem 2:

Yes, all of the designs shown can be made by folding the paper:
1. Fold the left hand side of the square across to line up with the right hand side, then unfold.
2. Fold the left hand side of the square across to line up with the right hand side, then fold the top of the rectangle down to line up with the bottom, then unfold.
3. Fold the top left corner of the square down to touch the bottom right corner, then unfold.
4. Fold the top left corner of the square down to touch the bottom right corner, then fold the top right corner down to meet the bottom left corner, then unfold.

Problem 3:

The question says that I have $2 and $1 coins, if I have one of each, that makes $3, so I need $2 more to make $5. I must have either one $2 coin and three $1 coins or two $2 coins and one $1 coin.

Pattern challenge:

The next items in the patterns are shown below.