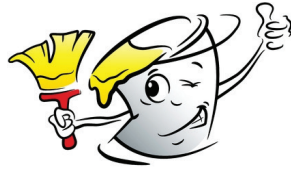


# Y3 Learning at home activity sheet #2

## Problem 1:

Two people can paint a fence in two hours.  
How long does it take four people to paint the fence?



## Problem 2:

How many different shapes can you make by joining together three square tiles edge to edge?



## Problem 3:

What is the smallest number of sweets that can be shared evenly by either 4 people or 6 people?



## Number facts:

Have a family member test you on some of the number facts from the attached sheet. They can ask you any of the sums on each card. Choose two or three that you found more difficult and practice them a few times every day, so that you can answer any of the questions quickly.



## Quick questions:

1. What is  $18 + 5$ ?
2. Write the number 27 in words.
3. Is nineteen an odd number or an even number?
4. How many tens are there in 80?
5. Write the fraction for one quarter.
6.  $70 + \underline{\quad} = 100$ ?
7. Write the number nineteen using digits.
8. What is  $17 - 10$ ?
9. Which is closer to your height, one metre, or one kilometre?
10. What is  $8 + 0$ ?



## Measurement estimating challenge:

Find some cups, bowls and large spoons.  
Put them in order from smallest to biggest.

For each one, guess how many times you would have to fill it up to fill up the next smallest container. Use water in the sink to count and check.



## How many fingerprints?

How many of your finger print do you think it would take to cover a piece of paper?

Get a piece of paper and find out. If you have a stamp pad, or some paint or dye, you could use those to test. Otherwise you could use a pencil to trace around your finger tip to make ovals the size of your finger print to cover the page.



# 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.

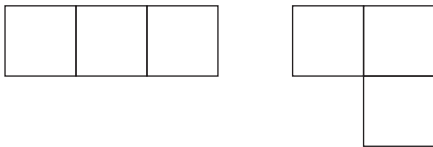


## Problem 1:

If two people take 2 hours to paint the fence, four people will be able to paint it twice as fast so it would take 1 hour.

## Problem 2:

There only two different shapes you can make by joining together three square tiles edge to edge. Any other shapes can be turned around to match one of these.



## Problem 3:

If you try all of the numbers of sweets that can be shared between 4 people you will find that the first one that can also be shared between 6 people is 12.

4 sweets can be shared between 4 people, one each.

8 sweets is 2 each for 4 people, but would leave 2 leftover if 6 people each had one.

12 sweets is 3 each for 4 people, or 2 each for 6 people

## Measuring challenge:

Help your child find some suitable containers to use. Try to find containers of a range of sizes. If you are using spoons, use large serving spoons rather than eating utensils.

Discuss with your child how they will record their findings. They may prefer to use sentences, or a drawing with numbers, or a table.

Discuss what they will do if one of their counts is not an exact number.

## How many fingerprints?

If you don't have a stamp pad, ink or paint to use for this task, you can make a dye to use with a few drops of food colour mixed with a small amount of water. Be warned – this will leave fingers coloured for a few days. Other options include using soot from a fireplace, or even mud. Don't be afraid to get a bit messy!

### Quick Questions:

1. What is  $18 + 5$ ?
2. Twenty-seven
3. Odd
4. 8
5.  $\frac{1}{4}$
6. 30
7. 19
8. 7
9. One metre
10. 8

Number facts to check:

$2 + 3 = 5$ $3 + 2 = 5$ $5 - 3 = 2$ $5 - 2 = 3$	$2 + 4 = 6$ $4 + 2 = 6$ $6 - 4 = 2$ $6 - 2 = 4$
$2 + 5 = 7$ $5 + 2 = 7$ $7 - 5 = 2$ $7 - 2 = 5$	$2 + 6 = 8$ $6 + 2 = 8$ $8 - 6 = 2$ $8 - 2 = 6$
$2 + 7 = 9$ $7 + 2 = 9$ $9 - 7 = 2$ $9 - 2 = 7$	$2 + 8 = 10$ $8 + 2 = 10$ $10 - 8 = 2$ $10 - 2 = 8$
$3 + 3 = 6$ $6 - 3 = 3$	$3 + 4 = 7$ $4 + 3 = 7$ $7 - 4 = 3$ $7 - 3 = 4$
$3 + 5 = 8$ $5 + 3 = 8$ $8 - 5 = 3$ $8 - 3 = 5$	$3 + 6 = 9$ $6 + 3 = 9$ $9 - 6 = 3$ $9 - 3 = 6$

$3 + 7 = 10$ $7 + 3 = 10$ $10 - 7 = 3$ $10 - 3 = 7$	$4 + 4 = 8$ $8 - 4 = 4$
$4 + 5 = 9$ $5 + 4 = 9$ $9 - 5 = 4$ $9 - 4 = 5$	$4 + 6 = 10$ $6 + 4 = 10$ $10 - 6 = 4$ $10 - 4 = 6$
$5 + 5 = 10$ $10 - 5 = 5$	$5 + 6 = 11$ $6 + 5 = 11$ $11 - 6 = 5$ $11 - 5 = 6$
$6 + 6 = 12$ $12 - 6 = 6$	