Y3 Learning at home activity sheet #4

Problem 1:

Lucca's class is having a paper scissors rock competition. A player is knocked out of the competition if they lose a game. If there are 20 students in the class, how many games need to be played to find a winner?

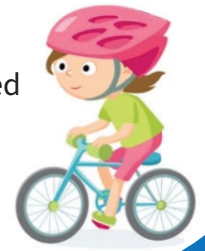
Problem 2:

Tama has two brothers. The three boys are all different ages, and the gaps between their ages are two years.

If Tama is 9, what ages might his two brothers be?

Problem 3:

Kaia rode her bike to the park. When she got there, she counted five people riding bikes or skateboards. She counted a total of 14 wheels. How many bikes and how many skateboards were there?



Project:

Write at least three word problems that all have 12 as their answer.

Try to make the problems as different as you can.

Quick questions:

1. Write the number 31 in words.
2. What is 24 + 10?
3. How many hours are there in a day?
4. Is 7 an odd number?
5. How many tens are there in 80?
6. What is 21 – 3?
7. How many $2 coins does it take to make $10?
8. Write the number twelve using digits.
9. What is 11 + 11?
10. What is half of 6?

Number facts:

Cut out the cards on the attached sheet and shuffle them. How fast can you match each equation with the correct answer? Try to beat your time.

How likely?

Draw a line like this one on a piece of paper.

Impossible ——— Certain

Under *Impossible*, write at least three things that **definitely won't** happen, for example "My dog turns into a cat". Under *Certain*, write at least three things that **definitely will** happen, for example "The sun will come up tomorrow".

In the middle, write at least three things that **might** happen, for example "I might win my football game this weekend".

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 someone is eliminated every time they lose, after 19 games, all but one person will be eliminated, so that person will be the winner.

Problem 2:

We don't know if Tama is the youngest, the oldest or the middle child.
If he is the youngest, his older brothers are 11 and 13.
If he is the oldest, his younger brothers are 7 and 5.
If he is the middle child, his brothers are 7 and 11.

Problem 3:

A diagram is a good way to solve this problem.

1. Draw a simple line or circle for each of the 5 ride-ons.

2. Each one needs at least two wheels, so draw those on.

3. That has used 10 wheels, so you need 4 more wheels. Add those onto two of them.

4. Count and check – there are two skateboards and three bikes.

Project:

Encourage your child to think of different types of word problem. Some possibilities include:

- Use addition for one, subtraction for another, and multiplication for a third.
- Talk about numbers that 12 is more than or less than.
- Include the digits in the problem.
- Use money as a context.
- Use ages as a context.

Quick Questions:

1. Thirty-one
2. 34
3. 24
4. Yes
5. 8
6. 18
7. 5
8. 12
9. 22
10. 3

2 + 3	5	2 + 4	6
2 + 5	7	2 + 6	8
2 + 7	9	2 + 8	10
3 + 3	6	3 + 4	7
3 + 5	8	3 + 6	9
3 + 7	10	4 + 4	8
4 + 5	9	4 + 6	10
5 + 5	10	5 + 6	11
6 + 6	10		