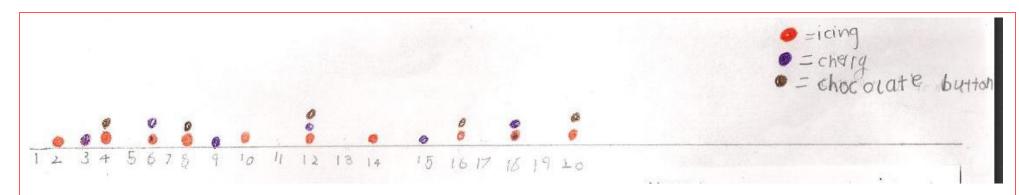
Canonbury Home Learning
Year 2/3 Maths
Steppingstone activity

CANONBURY
PRIMARY SCHOOL
reate, discover and succeed together

Lesson 2 – 14.07.2020 LO: Problem Solving

#### Success Criteria:

- 1. Draw 20 plain biscuits.
- 2. Decorate them according to what Patrick did e.g. icing only on every second biscuit (miss one, ice one, miss one, ice one...)
- 3. Write down which biscuits had **no** decoration, and which had **3** decorations.



There are 7 biscuits with nothing on: 1, 5, 7, 11, 13, 17, 19 Only biscuit 12 had 3 decorations.

# Canonbury Home Learning Year 2/3 Maths



Lesson 2 – 14.07.2020 LO: Problem Solving

#### Success Criteria:

- 1. Begin with Task 1— try to use a systematic method (using a pattern to make sure you get all the possible answers) and find as many ways as you can
- 2. Then have a go at Task 2 use a systematic method to find as many ways as possible and make sure all 3 numbers are different and odd.

### Task 1

#### Monster

Alesha can use these coins to pay 45p:

two 20p and one 5p

one 20p, two 10p and one 5p

one 20p, one 10p and three 5p

one 20p and five 5p

four 10p and one 5p

three 10p and three 5p

two 10p and five 5p

one 10p and seven 5p

nine 5p

There are 13 different ways to pay 50p using only silver coins. First add 5p to each of the ways for 45p.

The other four possibilities are:

two 20p and one 10p

one 20p and two 10p

five 10p

one 50p

## <u>Task 2</u>

## Three monkeys

There are 10 possibilities:

1, 3, 21 3, 5, 17

1, 5, 19 3, 7, 15

1, 7, 17 3, 9, 13

1, 9, 15 5, 7, 13

1, 11, 13 5, 9, 11

<u>Challenge:</u> What if the monkeys ate 24 nuts, with each of them eating a different even number of nuts?

The possible answers are:

2, 4, 18 4, 6, 14

2, 6, 16 4, 8, 12

2, 8, 14 6, 8, 10

2, 10, 12

## Canonbury Home Learning

